

<210> 19178  
<211> 56  
<212> DNA  
<213> Homo sapiens

<400> 19178  
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<210> 19179  
<211> 431  
<212> DNA  
<213> Homo sapiens

<400> 19179  
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ttaaaaaatat attggactgt ttacttattt attatacttt aagttctgga atacatgtgc 120  
agaacatgca ggtttwtac awaggtahac awgtgcccat ggtggtatgc tgcacccatc 180  
aatatgtcat ctaggtttta agccccacat gcattaggtta tttgtcctaa tgctgtccat 240  
cccttggtccc cccacccctt gacaggccct ggtatgtgat gttcccctcc ctgtgtccat 300  
gtgttctcat tgttcaactc ccacttgtga gtgagaacat gcggcwtttg gttttctggt 360  
cctgwggttg ctgagaatra tggtttctag cttcatccaa tgtmmctgga aaggacatga 420  
actcattctt t 431

<210> 19180  
<211> 73  
<212> DNA  
<213> Homo sapiens

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gmnatgcaa cgwggaaasg rrcagaggct ggaagaattt tgagagtcac gataaattgc 60  
cttaaccacc tct 73

<210> 19181  
<211> 332  
<212> DNA  
<213> Homo sapiens

<400> 19181  
agattaaagg gggggaggga aaaggagctc ggccgccatt ttcccagtg cgcgcgccacc 60  
gctcgccgag ccggcgggag aactgagcac cgtagcgaas cgatcgggtc cgggcgtggt 120  
ggctcacgcc tgtggtcccs gcamcttttg ggaaggccca ggcgrgtgga tbrcggggtc 180  
aggakttcaa gaccggcctg cccaacatgg caaaaccccg tctctactaa aaatgcagaa 240  
aattagctgg gcatggtggt ggccacctat aatctcggct actcgggagg ctgaggcggg 300  
agaattgctt ggacccgga ggcagagggt gc 332

<210> 19182  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 19182  
caaagattag ccgggcttg tgggtgcatgc ctgtaatccc agctactcag gaggctgaga 60  
caggagaatt gcttgacact ggggtggcaga ggttgacagt agccgagatc gcaccactgc 120

actccagtct ggggtgacara rgcmagamcc t 151

<210> 19183  
<211> 114  
<212> DNA  
<213> Homo sapiens

<400> 19183  
aagttttgta ttaggttgtt ttcacactgc tataaagaaa tgcctgagac tgggtaatat 60  
ataaaagaaa gaggtttaat ttactcacag ttctgcatgg ctgaggaggc ctca 114

<210> 19184  
<211> 108  
<212> DNA  
<213> Homo sapiens

<400> 19184  
attaatctgg aaaagctgcg ttgaagaagg gtacagtggg gagatgcttc tgcattggaaa 60  
gcacaggaca ttttaaaaag ttgagtgttg ttgaagtgtg tagggtaa 108

<210> 19185  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 19185  
atagagttga atagavtggg atgcaatgaa atggaacgaa gtgaaatcga gtcgaatgga 60  
atcatccgga atggaatgga atggaatgga atgcaaagca at 102

<210> 19186  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 19186  
cagccccctg agtagctggg attacagacc cgtgccacca cgcttggtta attttttgta 60  
tttttagtag acacagggtt tcacatgta cccaggctg atccgcttg ccaagtgatc 120  
cgcccgcccc 130

<210> 19187  
<211> 344  
<212> DNA  
<213> Homo sapiens

<400> 19187  
aatcggttcag aaaaagacta atggcagtgt gtagtggtcc atgggtgtgta tatgtgtgtg 60  
tgtgtgtacc agttttcttt atccactcgt tgattgatgg gcatttggac tggtttcata 120  
ttttcacaat tgtgaattgt gctgctataa acatgtatgt gcaagtgtt ttttttaaaa 180  
ttattttatt ttattttatt ttttttgtgt aatgacttct tttcctctgc atagatgccc 240  
agtagtggga ttgctgaatc aaatggtaga tctacttita gttctttaag gaaactccat 300  
gctgttttcc atagtgtgtg tactaattta cattcccacc agca 344

<210> 19188  
<211> 125



<212> DNA  
<213> Homo sapiens

<400> 19188  
ctgggattat aggtgtaagc cactgcgctt ggtctctttc tttttctttt tctttctttc 60  
tttctttctt tcctttcttt ctttcttcct tccttccttc cctncttctt tccttccttm 120  
ccctc 125

<210> 19189  
<211> 173  
<212> DNA  
<213> Homo sapiens

<400> 19189  
ataatcacca ttctgactgg tgtgaaatgg tatctcattg tggttttgat ttgcatttct 60  
ctaataacca gtgatgatga gcattttttc atatgtttga tggctgcata aatggtytdc 120  
ttttgragaa gtgtctgttc atatccttca cccacttttt gatgggggtg tac 173

<210> 19190  
<211> 175  
<212> DNA  
<213> Homo sapiens

<400> 19190  
caattcaaca tgagatttag tggtgacaaa tatccaaact ctatcaacct ctaatgctga 60  
cctcactgcc tttcctcctg cccaccatca gttttctcct cctcttgat tttttcmaa 120  
ttgctgtcac ccatccgtca gttctcatca acttctcttt ctccttcccc agatc 175

<210> 19191  
<211> 135  
<212> DNA  
<213> Homo sapiens

<400> 19191  
tttttcgagg gttgcctggc aagcctgctc tcgccgccct gtagccgtag aacacatttc 60  
tggaagatga agaaaaacct gcttctctgg ttctcacaa gcagagcccg aracttcttc 120  
caagaacagt gaggt 135

<210> 19192  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 19192  
cttgcatgat gaccgtgaag gcgaaggcag tgacaagtgg gtgagccggg gccggggccg 60  
aggagccttt cctcggggtc ggggccgggt catgttccgg aa 102

<210> 19193  
<211> 289  
<212> DNA  
<213> Homo sapiens

<400> 19193  
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aatcccagca	ctttgggagg	ccgaggcggg	tggatcatga	ggtcaggaga	tcgagaccat	120
cctggctaac	aaggtgaaac	cccgtctata	ctaaaaatac	aaaaaattag	ccgggcacgg	180
tggcggggcg	ctgtagtccc	agctactcgg	gaggctgagg	caggagaatg	gtgtgaaccc	240
gggaagcgga	sttgacgtga	gctgagatca	tgccactgca	ctccagcct		289

<210> 19194  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<400> 19194						
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tttgatttta	caggctcata	agtgaagg	atttgccttg	tctcagatga	gactttggga	120
acttttgagt	taatgctgga	atgagtcaag	acttttaggg	actcttgaga	aggcatgatt	180
gtagnnttgc	atgtaagaat	gacatctctt	cccctcatga	tgctcctgct	tacatggcag	240
gaacaggagg	aagagataga	gtggaaagag	atttgggaag	agccaggggt	ggnatgatat	300
agtttggaac	ktgtgtccca	kscaaattct	gtgttgvnht	gtagtccaca	atgctggaag	360
tggggccttg	ggggact					377

<210> 19195  
 <211> 300  
 <212> DNA  
 <213> Homo sapiens

<400> 19195						
gttgtagaag	taagggtttt	attcagctgg	gagcatcggc	aagctactgc	cttaaaatcc	60
gagctcctcg	agtgcacaat	ttctgtccct	tttaagggtc	catggcactg	aargattttc	120
acatgaaagg	gtcgtgattg	atttgagcaa	gcaaggggta	tgtgacaggg	gctgcatgca	180
ynggtggtct	gagagaaaac	gdacagggca	gggagtttca	caatgttctt	ctatacaatg	240
tctggaatct	atgaataacg	tcgggtttcta	agtcatgagt	tgatttttaa	ctactaggtt	300

<210> 19196  
 <211> 143  
 <212> DNA  
 <213> Homo sapiens

<400> 19196						
tgtttttcat	atgttggttg	agttggtag	ctagtatttt	gttaaagatt	ttagcatcaa	60
tgttcatcaa	ggatattggt	ctgtagtatt	cttttttggt	tatgtccttt	cctgggtttt	120
gttattaggg	tgatgctggc	tat				143

<210> 19197  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 19197						
tccaaaaagg	agttagtatt	ttctgatgat	gactgtgcac	cacttgctga	gctttgtaaa	60
gggcttaatt	ttgtttcttt	ttgtatcata	ctattccaga	aaaggtagct	agtaggtatt	120
ttwtccttac	caaaagatgg	gcatgcttga	agtaaattgg	tcaattataa	gagtgtggc	179

<210> 19198  
 <211> 207  
 <212> DNA

<213> Homo sapiens

<400> 19198

cagtgggtgcg	atctcggctc	actgcaagct	ccgcctcccg	ggttcacgcc	attctcctgc	60
ctcagcctcc	tgagtagctg	ggactacagg	cacctgtcac	cccgccagc	taattttttg	120
tatttttagt	agagacagg	tttcaccatg	ttggccagaa	tggctcgcg	ctcttgacct	180
tgcgatccat	ccacctcggc	ctcccat				207

<210> 19199

<211> 161

<212> DNA

<213> Homo sapiens

<400> 19199

tattattata	ctttaagttt	tagggtagat	gtgtacattg	tgcaggtag	ttacatacat	60
atacatgtgc	catgctgggt	tgctgcaccc	actaactcgt	catctagcat	taggtgtatc	120
tcccaatgct	atccctcccc	actcccccca	ccccccaaca	a		161

<210> 19200

<211> 159

<212> DNA

<213> Homo sapiens

<400> 19200

attttcttga	tattttcctt	ttcactgtgt	gtttagtctc	tttctgatag	tcatattaag	60
aggatgttgg	gcttcatgac	atcactccct	gttttttata	gcttcaactt	tttattctat	120
tctgtgagat	ttccttgact	tcagattccc	agcccatct			159

<210> 19201

<211> 153

<212> DNA

<213> Homo sapiens

<400> 19201

tttgagacag	agtttcactc	ttgttgccca	ggctacagtg	caatggcacg	gtcttcgctc	60
accacaacct	ccgcctcctg	ggttcaagcg	attctcctgc	ctcagcctcc	cgagtagctg	120
ggattacagg	tatgcaccac	cacacctggc	taa			153

<210> 19202

<211> 512

<212> DNA

<213> Homo sapiens

<400> 19202

aaattgaaa	taaactctta	ccatcatttt	aactggataa	aaagtgaagt	gtctaaagat	60
gtatatattt	ggcacgtttg	agttcacaag	aggaagaaca	aattttctagc	caggaaaacc	120
atgaaaggat	tccaaacaga	gattaaactt	gtcctttgag	gataggtaat	gagtccagaa	180
ttgggtgggtt	cttgggtttt	ctgacttcaa	gaatgaagcc	acagaccctc	gcagtgaagt	240
gttacagttc	tnaaagatgg	tgtggctgga	gtttgtttct	tcagacgttc	agatgcgtct	300
gaagttttct	ccttctgggt	ggttgggtgg	ctgcctgact	tcaggagtga	agctgcagac	360
cttcgagggt	agtgctacag	ctcactaagg	cagcgtggac	caaaagagtg	agcagcagca	420
agattttatt	tgaaaagcaa	aaagagcaaa	ccttaaacag	cttgggaagg	gascctagag	480
ggttgmagca	gctggctagg	tggcctgctt	tt			512

<210> 19203  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens

<400> 19203  
 tgagatgac aaagcttctg gtattttcac caaatccaga gtacctgaga aacatggtaa 60  
 aactagcaag aagaaacaag ggaaaggagg cagataatta atgcaggctc aagaagcatc 120  
 cttgaagagg tagcagcagc agaggagtga gagtgtgaag aagctgatgt gagtgtatga 180  
 gacagacact cataatagaa aagtagcaac tgaccagtac agcagtctgt ggagaggcc 239

<210> 19204  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

<400> 19204  
 tgataattgt tgattttctt ggatatagtc agaattaaaa ttgaaaaatc ctcacccatt 60  
 atttctttta atatatat ttttcagtc atctcctttc cttcaggagac tccagkhaca 120  
 tgratattag gctgattgat gttgccccac aactattgat aatctgttta tctccatttt 180  
 tttcttcttt tgtcttgttt tgaacagttt ggttgctata tcaagttcac tattcattct 240  
 tctgaaatat ctactgtgat agcagtcctc tccagtgt 278

<210> 19205  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens

<400> 19205  
 gctaattttt gtatttttag taaacatggg gtttcatcat gttggccagg ctggtctcaa 60  
 actcctaacc acatgatcca cccacctcgg cttcccaaaa tgctgggatt acaggtgtaa 120  
 gccaccgcgc ccggccaa 138

<210> 19206  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<400> 19206  
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 atgctgttaa tcccatcact ttggctgggt ggatcacttg aggtcaggag ttcaagacca 120  
 gcttgcccaa catggcgaaa cccggctctc actaaaaata caaaaattag ctgggtatgg 180  
 tcgcaggcac ctgtaatccc agccactcag gaggtgagg taagagagtt gcttgaacct 240  
 gcagagattg cagtgaagcc agatcacgcc accgcactcc aagcctgctg ggcgacaaag 300  
 cgagactgtc tcaaaaaaaaa agaagtagtn ctaamabyca agtttttaggt tatctggtgc 360  
 cgtcagttta aaagacacat ggatttaata gcagacagggt gcttaaaaaa aaamgcattg 420  
 agttcctgcw aatatgmaag gvccagcatg wtawhmgtaa tagtgscnwa aagtgmtggw 480  
 atactaggca ghaaaagctc ttctttt 507

<210> 19207  
 <211> 112  
 <212> DNA  
 <213> Homo sapiens

<400> 19207  
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 ttttaagatgt tttagctgtt caaatctgtt tgtctcttga aacaatgaca ca 112

<210> 19208  
 <211> 157  
 <212> DNA  
 <213> Homo sapiens

<400> 19208  
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 ggaccgcggg acgaggctgc agtgggtcatg gggaccatgg gtcccagctt accctttccc 120  
 cattagaagt agtccttcct gactccaggc caccac 157

<210> 19209  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<400> 19209  
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 cagaaaaaaaa aacactttac caaggagtat atatgtatgg caaacatgca gataaaaaaa 120  
 attcacatca ttagtcatta gagaaatgca aatttcctta atgatgaaat attactaaaa 180  
 gctgtgatga gatattacta cacatctata agaatgatta aaagaaaaac aattagctgg 240  
 gctcgggtggc tcacgcctgt aatcccagca cttttggagg ccgagacagg gtttcaccat 300  
 gtttagccagg atgaccttga tctcctgacc tcgtgatccg cccgc 345

<210> 19210  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<400> 19210  
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 cggtttcaag agattctcct gcctcagcct ctgagcagct gggattacag gtgcccgcca 120  
 ccgtgcccg ctaatttttg tatttttttag tagagatggg gtttcaccac cttggccagg 180  
 cgcggtggct 190

<210> 19211  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens

<400> 19211  
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 tggctaattgt ctttttttgt gtgtattttt ttttgtattt ttaggagaga tggggtttca 120  
 ccatgtttgt caagctggtc ttgaactcct gacctcgtga tccaccacc ttagcctccc 180  
 aaagtgtctg gattacaggc ctgagccact gmacccgccc 220

<210> 19212  
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 <213> Homo sapiens

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0-7-96-00000-0

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0-7-96-00000-0

0-7-96-00000-0

0-7-96-00000-0

tggtttctga agatactgac aaagggaaag agggcaagtt aatcagcccc acttactagt 120  
tcatgaactt taccaatgag ttcccccttat gtctctcttt tttttttttt ttttttt 177

<210> 19218  
<211> 135  
<212> DNA  
<213> Homo sapiens

<400> 19218  
ccatttttct gcctcagcct cccaagtagc tgggactaca ggcccccgcc accacgcccc 60  
gctaattttt ttgtattttt agtagagacg gggtttctct gtgttagcca ggatggcttc 120  
gatctcctga cctct 135

<210> 19219  
<211> 304  
<212> DNA  
<213> Homo sapiens

<400> 19219  
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tttattcatt gagtgcttcc caaagctagt gagtggtctg aagttcccag acaacgctac 120  
tactagtttt gtatataaaa ataaggagac attattatta tattcttaat agatacaggg 180  
tcttgctaca ttgccaggc tggctctcaa ctcatagcct caaacagtct tcmcgcttg 240  
gcctcccaaa ttgttgagat tacgtgcttg attcactgtg ctgggccacg gagataatct 300  
tgaa 304

<210> 19220  
<211> 187  
<212> DNA  
<213> Homo sapiens

<400> 19220  
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aactcctgac ctcagggtgac ctgccagcct cagcctccca aggtgctggg attacagggtg 120  
agagccaccg cctctgtctt gctctgtcac ccagggtgag gcaggagaat ggcgtgaacc 180  
cgmghga 187

<210> 19221  
<211> 182  
<212> DNA  
<213> Homo sapiens

<400> 19221  
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gaggctgaag cagaagaatc acttgaaccc aggaggcaga ggttgtagtg agccgagatc 120  
gcgtcactgc actccagcct gggtagacaga atgagactcc atctcaaaaa aaaaaaaaaa 180  
aa 182

<210> 19222  
<211> 137  
<212> DNA  
<213> Homo sapiens

<400> 19222

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gtgcgctgca	cccactaact	cgtcactctag	cattaggtat	atctcccaat	gttatccctc	120
ccccctcccc	ccatccc					137

<210> 19223  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 19223						
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gattctcctg	cctcagcctc	tggagtgsct	ggggaattgc	aggcacctgc	caccacgcct	180
ggctggTTTT	tgtatTTTTa	gtagaaacgg	ggtttcgaat	cttggccagg	ctggvtctca	240
agctcctgac	cttatgatcc	acctgcctgg	accaccc			277

<210> 19224  
 <211> 247  
 <212> DNA  
 <213> Homo sapiens

<400> 19224						
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tgggtagtat	ggatatttca	acaaaactga	ttcttccaat	ccatgaacgt	ggactatctt	120
ttccattttt	tgtatsyytc	aattttttgc	aatcagtggt	tttkgtttt	ggtttttgag	180
atggagtttc	actcttgttg	cccaggctag	aatgcaaggg	tgtgatcttg	gctcaccgca	240
acctacc						247

<210> 19225  
 <211> 139  
 <212> DNA  
 <213> Homo sapiens

<400> 19225						
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gccctccggg	ttcacaccat	tctcctgcct	cagcttcccg	agtagttggg	actacaggcg	120
cccgccacca	mgcccggct					139

<210> 19226  
 <211> 76  
 <212> DNA  
 <213> Homo sapiens

<400> 19226						
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tttttttttt	tttttt					76

<210> 19227  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<400> 19227						
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ctggagtgca	ttgcagcctc	caactcctgg	gctcaagtga	tcctccctcc	tgctttggcc	120
tctcanggag	ctagaactac	aggtgtgcac	caccacacct	ggctaatttt	tttttttagag	180
gcagggcctc	gttacgtttc	ccaggccct				209

<210> 19228  
 <211> 200  
 <212> DNA  
 <213> Homo sapiens

<400> 19228						
tacagtaaat	gcttawaaat	tgctattttct	ggccaggcac	agtggctcac	acgtgttatc	60
ccagcgcttt	gggaggccaa	gggtgggcaga	tcaccagagg	acaagagttc	aagaccagcc	120
tggccaacat	ggtgaaaccc	cgtctctact	aaraaatata	aaaratacag	ctgctcaaga	180
agctgaggca	gaagaatggc					200

<210> 19229  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 19229						
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ntgagaccag	cctgaccaac	atggtgaaac	tctgtctcta	ctaaaaatac	aaaaattagg	180
tgtggtggca	cgcgctgtga	atcccagcta	ctcaggaggc	tgaggcagga	gaatcaccca	240
ggaggtggag	gttgcagtga	gccaagatca	catcadtgca	ctccagcct		289

<210> 19230  
 <211> 58  
 <212> DNA  
 <213> Homo sapiens

<400> 19230						
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 <212> DNA  
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agttatccca	gcacct					376

<210> 19232  
 <211> 95  
 <212> DNA  
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cccatthaacc atcgccagtt tcctctcccc ggcca 95

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<212> DNA  
<213> Homo sapiens

<400> 19233  
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acagggc 127

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<212> DNA  
<213> Homo sapiens

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atggtggcca ttagctacat gtggctatth tagracttaa attaaataaa attaaaaatt 180  
cagtttctca gtcacactag ttacatttca agtgcttagt agccacacat ggctagtggc 240  
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agcattgaca taggaagtgc tcagtaaatg ttggttaagg aagttaagga tatatgaatt 360  
acntgtgttt gtttgttttg agacagagtt ttgctctatt gcccgagatr atctcggctm 420  
actgcaacct ccaccttcta ggttcaagta attcttgtgc ctcagcc 467

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<212> DNA  
<213> Homo sapiens

<400> 19235  
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gcaggagagt ggcgtgaacc cgggaggcag ggcttgcagt gggccgagat tgcgccactg 120  
caccagctt gggcgacaga gcgagactcc 150

<210> 19236  
<211> 71  
<212> DNA  
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<212> DNA  
<213> Homo sapiens

<400> 19237

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<210> 19238  
<211> 158  
<212> DNA  
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<400> 19238  
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cacgatcact gcaagctctg cctcccagg tcatgccatt ctctgcctc agcctccaga 120  
gtagctggta ctacaggcgc cgcscasca caccggc 158

<210> 19239  
<211> 156  
<212> DNA  
<213> Homo sapiens

<400> 19239  
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cttgggaggc tgaggcagaa gaatcccttg aacgtgggag gtggagggtg cggtgagccs 120  
brattgtgcc actgcactcc agcctgggca aactct 156

<210> 19240  
<211> 255  
<212> DNA  
<213> Homo sapiens

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ttcactactt ccttagagaa agtcttgcta ttaaaaaaaa taaaaaagtc atctgaactc 120  
atcagttctg cttagtgama atttggttyt agcaccatta aatttttgca ggtagcagc 180  
aaggtaaaga gcttgacaa gaatactaag cgactatc actaagcaga actgatgagt 240  
tcagatgact ttttt 255

<210> 19241  
<211> 133  
<212> DNA  
<213> Homo sapiens

<400> 19241  
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gcagaagctg aaaaggctga agcgcaaagg ttggcggcga ttcaaaggca gaacagagcaa 120  
atgatgcagg aaa 133

<210> 19242  
<211> 377  
<212> DNA  
<213> Homo sapiens

<400> 19242  
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tgtggattta tgaatagctc atacaaatgg aagsatacaa cgtgtagctt tttgtatcca 180



agtttgaagt gatgtactta atttgggatg tctaggaagc attcttctgt gtgtttctga 180  
tttgcatttt ttttttt 197

<210> 19248  
<211> 478  
<212> DNA  
<213> Homo sapiens

<400> 19248  
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aatagttatg aaagccagga cccccacttg aaaattgtat gagcaatttt taaaaagaga 120  
ataatgggta tgtacctgta ttagttttct agggctgctg tcacaaatta ccataaattg 180  
agtggcttaa aacagcagta atttattctc tcaccgttgt ggaggccaga agtctgaaat 240  
caaggtatag gcacggccat gctatcccca gaggttctag ggtagaacc atcctgtctt 300  
ccagsttctg gtggttynyag gaagtctttg gcttgtgaca gtatcactgc aatctctgcc 360  
tttgtcttca catggctttc ttccttgtgt ctctccagtt ttctgaggcc tttgnnttat 420  
gaggacacca gtcagatttt gtgcccaccc taaatccagg actgtatcat tttaagat 478

<210> 19249  
<211> 232  
<212> DNA  
<213> Homo sapiens

<400> 19249  
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ctattagttt ttgccgcaga twttttgatg tyctgttgtt aatcacatac acattaagaa 180  
ttgttatggc attttggaat gttgatctct ttatcagtat gtgatggccc ct 232

<210> 19250  
<211> 88  
<212> DNA  
<213> Homo sapiens

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tttttkkact tttttagag acaaggyt 88

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<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 19251  
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<210> 19252  
<211> 136  
<212> DNA  
<213> Homo sapiens

<400> 19252  
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aatggctctgg attttacaat tttacataaa agaacatttg cagtctgaat gcaaaaagaa 120

aggaggtggg ggagtt 136

<210> 19253  
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<212> DNA  
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<400> 19253  
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agccaccaca cctggcctat gactaaattt taaatccac ttcaattatt tgttctttgc 120  
ccagcca 127

<210> 19254  
<211> 327  
<212> DNA  
<213> Homo sapiens

<400> 19254  
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agcaatcagt aatatggatg attcctagtt taatattaag taataaaaaat aaattccttc 120  
aaattatcaa cagttcaata cacttttcgt aaagttcaaa taactaaaat actgggaata 180  
tatataaatg caatacaact gcatgaaaag gaaagcagtg gaatgattaa caaaagattc 240  
aagaggctgg gtgcaatggc tcatgcttgt aatctcagtg ctttgagagg ccaaggcagr 300  
aggrtcactt aagcccaggg tctgaga 327

<210> 19255  
<211> 169  
<212> DNA  
<213> Homo sapiens

<400> 19255  
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tggtgagtgg aaagtaagga aagaattaga gacagcaagt gttaagttga gcgtggtagg 120  
aaaaaagaga tgacagatac taaatcgtgc attgggggtg aggggagtc 169

<210> 19256  
<211> 105  
<212> DNA  
<213> Homo sapiens

<400> 19256  
gtcctttgcc cacttttttag tgggggttgt ttgaatttgt ttaagtttcc tttttatattt 60  
actttatattt atttatattt tcttttcttt tctttttttt ttttt 105

<210> 19257  
<211> 206  
<212> DNA  
<213> Homo sapiens

<400> 19257  
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acgtttttct aattgggtta gcttatattaa agtaggtagc cattcatcca ttcatccaar 120  
tttgcttccc cactaagttt tggctaaagc ctgctcttta ggagtgtctg agacagagaa 180  
atttcttttt tttttttttt tttttt 206

<210> 19258  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 19258  
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 tgattctccc accttagcct cccaagtagc tgggactaca ggtgtacatc accatccctg 120  
 gcttattttt tgtagaaaatg gggkttcccc atggttgctc aggcttgtcc tgaactcctg 180  
 ggcaa 185

<210> 19259  
 <211> 181  
 <212> DNA  
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<400> 19259  
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 gtagtcatat ttatgaaaaa aggtttgtgt tttactcttg ctagtgagaa aagtgggacc 180  
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<210> 19260  
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 <212> DNA  
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<400> 19260  
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 ctttggttat atattgagta atgggratta ctggadthc kgttttwagg tctttgagga 180  
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<210> 19261  
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 <212> DNA  
 <213> Homo sapiens

<400> 19261  
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 ggtacttttt tttttttt 78

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 tgactgcact agttttccaa aaatggttct tttcttttc 99

<210> 19263  
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<212> DNA  
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<210> 19264  
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<400> 19264  
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ggcaaggctg aagaccacag tcacttttac aatcaactta cccaaacttc atggagtcgt 120  
ttcttcagat gaagtaatct gctattaatg gtgcttcccc tccacccta aatctaagct 180  
gtgcaaacat taactcattt tatcattgca aaatagaatt tttctttttc tttttttttt 240  
ttttccca 248

<210> 19265  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 19265  
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tgtgactagt caaactgaca aata 84

<210> 19266  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 19266  
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ctgacattac aggcgtgagc cactacagcc ggccccaag cc 102

<210> 19267  
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<212> DNA  
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<400> 19267  
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tacaacccca actgaccaca agagaaccaa gggtktagtc tggcaata 108

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<400> 19268  
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tggctttgaa ctctgactt catgtgatct gccc 94



0 1 2 3 4 5 6 7 8 9

<213> Homo sapiens

<400> 19274

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<210> 19275

<211> 138

<212> DNA

<213> Homo sapiens

<400> 19275

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<210> 19276

<211> 202

<212> DNA

<213> Homo sapiens

<400> 19276

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aagagtggac actgttaggt gccagttcag tggccagggt aaaggatcatg gtagctcaca	120
ctaggatcgg cagtggagac aaacaggcag gcgattacag tgtatctggg agagaacatt	180
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<210> 19277

<211> 138

<212> DNA

<213> Homo sapiens

<400> 19277

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agascacacc agcacct	138

<210> 19278

<211> 198

<212> DNA

<213> Homo sapiens

<400> 19278

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cccagctact ctggaggctg aggcaggaga atcgcttgaa cctgggaggc ggagggttgca	120
gtgagccgat atcacgccac tgcaactccag ccttgccgac agagcaagat tccgcctcta	180
aaaaataaaa atamataa	198

<210> 19279

<211> 244

<212> DNA

<213> Homo sapiens

<400> 19279

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gtcccccttt	ttttgcctat	aaaagccttc	ttgtaayaaa	ggctcatatt	taagggttact	180
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tttt						244

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<400> 19280						
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agttttgcc	ataaattgcc	ccagctcttt	agtctctggg	aaagatccct	tcatgttaac	180
ctgtgggtgg	aagtgggac	ttacttacca	cttaagatgg	tgggtgtctg	atcattagtt	240
ctcaacatta	tatgtattac	catccacctc	taaagtctcc	tctgcatagc	acagagttta	300
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 <212> DNA  
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ctcagcagat	gcttaanaga	caagt				145

<210> 19282  
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 <212> DNA  
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aatttgtgat	atttttgggt	aacattccaa	agcatcgtgc	acagaatgtg	ataaaccctc	120
cccactggag	gttctttaa	tgctccttag	aatctcaggg	gctgccgagg	tgcccctagg	180
gcagcaaccc	attttaagta	gcgctcccca	cgat			214

<210> 19283  
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 <212> DNA  
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<400> 19283						
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gtgcagctgc	tcagcatctt	ccatgggact	tcctctctct	gggatcaagc	ctgggccatg	120
tgtgaggtgt	cctgatcccc	ttctctctgt	cttctctcat	cttcccttcc	tccccctct	179

<210> 19284  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

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aattgaggga catattgtgc aagatgttgt actgaatcct ggagttattg ggaggtgctg 120  
aatggctttt gagacaggca agtgggtggt tgatgtctgc tttagaaaat tagtttctact 180  
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tcttratgct t 431

<210> 19285  
<211> 331  
<212> DNA  
<213> Homo sapiens

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agtgatgcct ccagattwgw tctttttgct tagtcttgct ttaaactatg tgggctcttt 180  
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cawggaaata tgtttccatt tgtttgtgct a 331

<210> 19286  
<211> 230  
<212> DNA  
<213> Homo sapiens

<400> 19286  
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tgctcttttg tcttggectg aagctctcct tctgccttga cctcccaaaa tgctaggrwt 120  
tataggtgtc agccastgca cccggccgta agttattttc aagtaggara aaaaggaggc 180  
tgctgtctcc ttaactcttc aagcctaccc atccctatca atcatccctt 230

<210> 19287  
<211> 197  
<212> DNA  
<213> Homo sapiens

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tgtggtggct tacgcctgta gtcccagcac cttgagaggt cgaggcaggt ggatcacctg 120  
aggtcaggag tttcgggacc agcctggtca gcatggtgaa accctgtctc tactaaagat 180  
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<212> DNA  
<213> Homo sapiens

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agcaa 305

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<212> DNA  
<213> Homo sapiens

<400> 19289  
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<210> 19290  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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agcmmtaa 128

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<211> 125  
<212> DNA  
<213> Homo sapiens

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ggcca 125

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<211> 140  
<212> DNA  
<213> Homo sapiens

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aatgctatcc tccccctct 140

<210> 19294

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<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 19294  
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agttaggtt caggaagaaa gtttttgaat tatttctttg ataatttcct cagttcttct 180  
catgtttaca aacttaccat attatgtatt tgaataatag cacactaata tcacatattt 240  
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<213> Homo sapiens

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accctgtagt ctgggtact caggagcct 149

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camarcggct catgcctgta atcacagcat tatgggaggc tgaggtgggt ggatcacttt 180  
gaggccagga gttcaagacc atcctggcca acatgggtgaa accccatctc tactaaagat 240  
acaaaaatta actgggtgtg gtggcacatg cctgtaatcc cagctactca ggaggctgag 300  
gcaggagaat cccttgaacc caggaagcgg aggttgagc gacacwntat cataccrstg 360  
cactccagcc tgggtgacag agcaaggctc tgtctca 397

<210> 19298  
<211> 111  
<212> DNA  
<213> Homo sapiens

<400> 19298  
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caccacaaa cagtcccctg tgtgtgrtgt tccctttctt ttttctttt t 111

<210> 19299

<211> 106  
<212> DNA  
<213> Homo sapiens

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cgggagcaag gggaaactcc gagaggaggg caacagagcc agcaca 106

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<213> Homo sapiens

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gc 122

<210> 19301  
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<212> DNA  
<213> Homo sapiens

<400> 19301  
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ctccgggtsc gaacaatgcd gastgakagc ggaggcgggc gcacctcctt wgaggaggac 180  
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<210> 19302  
<211> 320  
<212> DNA  
<213> Homo sapiens

<400> 19302  
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tatttatgaa aagcaaatta attcttctctg ttctccagaa ctgacttatt taacctttgc 120  
attaaggaca tcttactgaa tgactttggg tggataaag aatctaata tttgtttaag 180  
agtaaggaga attagctgag cccttgcttg gcacccaagt ttttgcttag tactgatgba 240  
gcttttttgtt ggacaaggaa atttttcctt ctaactaata catgcaaaat cataagagca 300  
aaatacatct catggcaact 320

<210> 19303  
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<212> DNA  
<213> Homo sapiens

<400> 19303  
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gctgaggcag gagaactgct tgaacccagg aggcagaagt tgcagtgagc caagtgcgac 120  
ccactaactc gagscstggg agacagagtg agactctgtc ttaaaaaaaaa a 171

<210> 19304  
<211> 85

<212> DNA  
<213> Homo sapiens

<400> 19304  
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tttcgatccc tgtctcctct atcct 85

<210> 19305  
<211> 367  
<212> DNA  
<213> Homo sapiens

<400> 19305  
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cttgctgscg cagnmtagct gcctgraagc cnrawagagc cagccagatg aragttgtct 180  
gtctgctttg cacaactcca gtgrcctgga attaagagcc acgcyggagc cagcacagac 240  
tggtgttcnn nygcaggtgc atcccacgga agacgaggcc agcagtcctt ggagtgtgcb 300  
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gcttcca 367

<210> 19306  
<211> 59  
<212> DNA  
<213> Homo sapiens

<400> 19306  
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<210> 19307  
<211> 291  
<212> DNA  
<213> Homo sapiens

<400> 19307  
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gscacgccc gaccccgggc agtagcccga gcgggactac ttgttgatat ttgaggaggg 180  
aagtgtctta cctgagagcc tggttgagga agactgaggt ccaaggcthg aagcctaagt 240  
gattgccccca ggactgtgga tgatggctgc agacatcccg agagcgacca a 291

<210> 19308  
<211> 182  
<212> DNA  
<213> Homo sapiens

<400> 19308  
cawgaattat gaagarbttt tttaaaaaga gaaaactgaa tttttcaatc attctaaagg 60  
agttcaatta gtgatcccc atcahaaatt raatatttct accctcatag ttmactgtt 120  
gtwaatahct tttaaacwag tgctattgac ttataatact taanacctgg gacatgctaa 180  
ac 182

<210> 19309  
<211> 192



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gtgttttttag tagagacggg gtttcacctt gttagccagg atggcctcaa tctcctgacc 60  
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cccgccaca 129

<210> 19315  
<211> 310  
<212> DNA  
<213> Homo sapiens

<400> 19315  
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attacagtat aacacagtta atcttctcca cacaccctat tgcccagata atttacaatt 120  
ctgttaatag tgagggttgat aaagtattac tgataaaaaa aaagattaag aaaaaaacag 180  
aaaattatatt ggtgtggcca tcttacatgc ttatgtgtct tctacacaaa gctaaatatt 240  
ctagcagtga tgtaatgaaa aattacacct tactgttgat gtatgtatgt tctggtacac 300  
agatgtcatt 310

<210> 19316  
<211> 218  
<212> DNA  
<213> Homo sapiens

<400> 19316  
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aggmgccccg caccamacct ggctaatttt ttgtattttt agtagagacg gggtttcasc 120  
atgttagcmm raatggtctt gatctcstga hcgcgtgac caccgcgcyt gccmtcccaa 180  
agtgccttga ttacaagcgt gasvaccgca yccggmct 218

<210> 19317  
<211> 188  
<212> DNA  
<213> Homo sapiens

<400> 19317  
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gatctcggtc cactgcaacc ttcacctccc aggttcaagt gattctcctg cctcagcctt 120  
tcgagtggcg gggattgcar gtgcamaccg ccgcgaccgg ccaatttttg tgtttttttg 180  
gtggaaag 188

<210> 19318  
<211> 250  
<212> DNA  
<213> Homo sapiens

<400> 19318  
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ctaggggtgag gtgatatctc attgtagctt tgatttgcac ttctctgatg accagtgatg 180  
ttgagcacct tttcgtatgt atgtttgcca wctgtgtgtc ttcttttgag aaatgtctat 240  
acatctttta 250

<210> 19319  
<211> 135  
<212> DNA

<213> Homo sapiens

<400> 19319

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agacttcgtg	gtggt					135

<210> 19320

<211> 226

<212> DNA

<213> Homo sapiens

<400> 19320

ttacgaatat	aatgtggagt	acttaaagct	aattaacaca	tccatcagct	caaatatcac	60
tttttatagt	gagaacattt	gaaatttact	ctcatagcaa	ttttgaaatg	tacaatatgc	120
tattatattc	accatgctgt	acagtagata	tcaaaaaacc	tttattcctc	gtgaataact	180
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<210> 19321

<211> 106

<212> DNA

<213> Homo sapiens

<400> 19321

cccagtaatg	ggattactgg	gtcaaatggt	atttcttggt	ctagatcctt	ggggaatcgc	60
cacactgtca	tccacaatgg	tggaactaat	tcacactccc	accaac		106

<210> 19322

<211> 103

<212> DNA

<213> Homo sapiens

<400> 19322

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<210> 19323

<211> 113

<212> DNA

<213> Homo sapiens

<400> 19323

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<210> 19324

<211> 112

<212> DNA

<213> Homo sapiens

<400> 19324

ctgattttkc	tatgytgatt	ttgtatctkg	caactttact	aaatttatca	gttctaatac	60
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 <212> DNA  
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<400> 19325  
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 ggggcataaa gacagsmagg cmaataagga gacttttctc cccagaggcc cgcccatggg 180  
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<210> 19326  
 <211> 206  
 <212> DNA  
 <213> Homo sapiens

<400> 19326  
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 gccctgatgt ccctcccagc atgccagcc cagccacaac agggccttgc ttctagtcac 120  
 gtgtctggct gntnwgctgg gtccaggcca gccctggtag ggacacatgg gggcccgcctc 180  
 tgccaccca tacctctccc caggtc 206

<210> 19327  
 <211> 83  
 <212> DNA  
 <213> Homo sapiens

<400> 19327  
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 tatgcctgaa agtgtcactt taa 83

<210> 19328  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<400> 19328  
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 agggattacc acctgataga agttgtgtga ttctgtgatt gttaaaactt acacat 116

<210> 19329  
 <211> 143  
 <212> DNA  
 <213> Homo sapiens

<400> 19329  
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 agcagttctt tgccctgcct aca 143

<210> 19330  
 <211> 198  
 <212> DNA  
 <213> Homo sapiens

<400> 19330  
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aaatttgtga attggtttcc ttgtagttcc ctgcggaaga ttatatctga atcttttaca 120  
agaaagwngn aagatactta tactatggat tgggggcaag ttagttctag ccagaagtaa 180  
cagtcaatga gacggccc 198

<210> 19331  
<211> 230  
<212> DNA  
<213> Homo sapiens

<400> 19331  
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tcccgggttc aagtatcct cctgcctcag cttcttgagt aactgggata acaggcamct 120  
gccaccatgc ctggctaatt tttgtatttt tagtagagat ggggttttat catgttggtc 180  
grgttggttc caaactccta gcctcaagcg atctgccac ctcggcctcc 230

<210> 19332  
<211> 111  
<212> DNA  
<213> Homo sapiens

<400> 19332  
agatcgagac catcttggct aacatgggtga aaccccgctt ctactaaaaa ctacaaaaaa 60  
ttagccgggg tgggtggcag tgccctgcagt cccagctact cgggaggctg a 111

<210> 19333  
<211> 129  
<212> DNA  
<213> Homo sapiens

<400> 19333  
acaaaggccg ggcgcagtgg gtcacgtctg taatcccaac acccaacact ttgggaggcc 60  
aaggcaggtg gatcatttcg agcttaggag tttagacca gcctgaacag cagggcaaat 120  
tccagcccc 129

<210> 19334  
<211> 85  
<212> DNA  
<213> Homo sapiens

<400> 19334  
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cctaagccag ggtctagaag ggtaa 85

<210> 19335  
<211> 197  
<212> DNA  
<213> Homo sapiens

<400> 19335  
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tgtctcagag cctgtaataa gatagtgtat catctggacc ttccgtgggt gctgcgatcat 180  
atacagttcc ccacata 197

<210> 19336  
<211> 252  
<212> DNA  
<213> Homo sapiens

<400> 19336  
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gggggccggg ccctggagca ggagctccct ggagctgtct ttatcctctg tgatgtgrct 120  
caggaagatg atgtgaagac cctggtttct gagaccatcc gccgatttgg ccgcctggat 180  
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ctgccccct tt 252

<210> 19337  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 19337  
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camctagatg caaatcawag ctcatgttag cctcaaaact cctgggctca agtgatcnc 180  
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<210> 19338  
<211> 200  
<212> DNA  
<213> Homo sapiens

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ggcgcatgcc tgtcatcca gctactcagg aggctgaggc tggagaattg cttgaacccg 120  
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gcgaaactbt cccccacgca 200

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<211> 201  
<212> DNA  
<213> Homo sapiens

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ggtgggcgcc tgtaaccag ctactcagga ggctgagaca ggagaatcg cttgaacccg 120  
ggaggcagag gttgcagtga gccgagatcg agccattgca ctccagcctg ggcgacaaga 180  
gtgaaactcc acctcaaaaa a 201

<210> 19340  
<211> 284  
<212> DNA  
<213> Homo sapiens

<400> 19340

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ggcagtgrcm	aaatctctca	gcacttgctt	twctgtaaag	gatttcattt	cgctttcgct	180
tatgaagctt	agtttgctgg	atatgaaatt	ccgggttgaa	agttcttctc	tttaagaatg	240
ttgaatatcc	actcccastc	tcttctggct	tgtagggttt	ctgc		284

<210> 19341  
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 <212> DNA  
 <213> Homo sapiens

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actcattcca	ttacaggtc	109

<210> 19342  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<400> 19342		
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aaatgtatgt	ttatttttta	120
tatbatatat	atttatgggg	180
acacatywta	gggaatgggg	240
ttcagttact	ctttaagtta	300
ttagtcakna	tttacnmtw	360
ccccagaccc	cc	372

<210> 19343  
 <211> 151  
 <212> DNA  
 <213> Homo sapiens

<400> 19343		
attcagtcac	tacttccaac	60
ttctaaaagt	aataaatatc	120
ggtgctatgt	tttctgmcaa	151

<210> 19344  
 <211> 79  
 <212> DNA  
 <213> Homo sapiens

<400> 19344		
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aagaagtgtt	gaccacaac	79

<210> 19345  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 19345

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agtaatctct	atttcagaaa	tggaaagatg	attcaacaat	ataagatcca	ataatgtaat	120
aggccacatt	taaagaacaa	aggagaaaaac	ccatgtcatc	atctcagtag	ataacctcct	180
cccaca						186

<210> 19346  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

<400> 19346						
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agagtgggca	cctttgtcct	gcagtttaag	gggaatgggt	ccagctttgg	cctatttttg	120
gtatgatgtt	ggctgtgagt	ttaccataga	tggct			155

<210> 19347  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 19347						
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gattgagacc	atcctggcct	aacacgggtga	aaccccatct	ctactaaaaa	tacaaaaaaa	180
ttagccgggc	gtggtggcgg	gcacctgtag	tcccagctac	ttcggaggct	gaggcaggag	240
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<210> 19348  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 19348						
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<210> 19349  
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 <212> DNA  
 <213> Homo sapiens

<400> 19349						
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tttcaaattt	aggccaaagg	gcaatttctt	ttatcataat	ctgtctaagg	cctaaatttg	180
aaattggcat						190

<210> 19350  
 <211> 56  
 <212> DNA  
 <213> Homo sapiens

<400> 19350						
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<210> 19351  
 <211> 136  
 <212> DNA  
 <213> Homo sapiens

<400> 19351  
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 gtcattgggtt tttttt 136

<210> 19352  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 19352  
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 ccttc 125

<210> 19353  
 <211> 110  
 <212> DNA  
 <213> Homo sapiens

<400> 19353  
 agagcaagtt cacagaaatt gatacaaaaa cttttttgaa tcttgaaaag atgctcaatt 60  
 tcataaaatg ccagtttctt tttttttttt ccttttctt tttccctttt 110

<210> 19354  
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 <212> DNA  
 <213> Homo sapiens

<400> 19354  
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 gaaaaggatc ttatttctcc tttgcttatg aagcctagtt tggctagata tgacattcta 240  
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# UNITED STATES OF AMERICA

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**SECRET**

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<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA  
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<210> 19422  
<211> 292  
<212> DNA  
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<400> 19422  
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acatttdscct atgtgcctat ttttatacca gtacccaact tcaaaccata ctasdaggct 180  
atagttacca aaacaacatg gtactgggat aaaaataggs acataggcca atgtaacaga 240  
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<210> 19423  
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<212> DNA  
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gcctggccta attttttttt ttttttttt 149

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<211> 99  
<212> DNA  
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ccacctgggg ctcccctgac agccacctgc ccactttgt 99

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<212> DNA  
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<400> 19425  
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aagcagctga gactacaggc gtgtgccacc atgccagct agtttttcta ttttttagtag 180  
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<210> 19426  
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<212> DNA  
<213> Homo sapiens

<400> 19426  
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tggccaggct ggtttggaac ttctgacctc aagtgatcca cctccct 168

<210> 19427  
<211> 121  
<212> DNA  
<213> Homo sapiens

<400> 19427  
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<210> 19428  
<211> 211  
<212> DNA  
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<400> 19428  
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tgagccacca agcctggcta attttgtatt ttagtagaga cggagtttca ccatgttggt 180  
catggtgacc tcaggtgatc tgtcccacct c 211

<210> 19429  
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<212> DNA  
<213> Homo sapiens

<400> 19429  
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acccattttac tgaaatttgc ccaaagtcct gctattatta agtggctatg actagggcct 120  
gcaatcccag cactttgggg aggccaaggc aggcagatsg tgargtcagg agttc 175

<210> 19430  
<211> 316  
<212> DNA  
<213> Homo sapiens

<400> 19430  
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attagggacc ttaatgggag tcagaactgt atgtcatttt attcagggtt ttctaagttt 180  
atgtgtgttt ttttggttag ttggtttttt ttttttcttt tttttacdbt tttctaccaa 240  
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<210> 19431  
<211> 57  
<212> DNA  
<213> Homo sapiens

<400> 19431  
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<210> 19432  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 19432  
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gggaactaat gggatacata caagtacccc tcactccctc gtcccccca 110

<210> 19433  
<211> 343  
<212> DNA  
<213> Homo sapiens

<400> 19433  
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aggatttggc cttttgcct cngagtatcc agggaatggc cagggctcct ggggaactca 180  
gcgactggac tttcggggcc agaaccagg agggcaggcg tagggacggg atggcatcag 240  
ggaggtggca gtcgnnagga cccgagtggg cagaggaatg tgaatagccc caccacacgc 300  
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<210> 19434



<211> 323  
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<400> 19434  
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 gttggtctgt gtcacattgt cagaacaggt ggctgctgtg tggtgccatc gagtccctgc 180  
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<210> 19435  
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 <212> DNA  
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<400> 19437  
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<210> 19438  
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<400> 19438  
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<210> 19439  
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 <212> DNA

<213> Homo sapiens

<400> 19439

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atggtctcaa	tctcctgacc	tcgtgatctg	tcccccttgg	cctcccaaag	tgctgagatt	120
acaggcgtga	gcsaccgcac	ctcgcaaaga	aatacccttt	tttgtttttt	ttttt	175

<210> 19440

<211> 280

<212> DNA

<213> Homo sapiens

<400> 19440

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tactataact	gcttcctatt	actctcactk	aaatttccaa	tataatcaca	ttaaacagta	180
agaaccaact	gacctaatcc	ttagacagct	tagacatcta	gcagtagaac	taactactcg	240
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<210> 19441

<211> 117

<212> DNA

<213> Homo sapiens

<400> 19441

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<210> 19442

<211> 200

<212> DNA

<213> Homo sapiens

<400> 19442

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ttggtcctgg	gattttcttt	gttgggagat	ttttcattac	tggtttaatc	tctacttatt	180
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<210> 19443

<211> 112

<212> DNA

<213> Homo sapiens

<400> 19443

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<210> 19444

<211> 348

<212> DNA

<213> Homo sapiens

<400> 19444



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aaatgaagtg	gcggctccag	gagggacgtg	gtgaggccgt	ctaccagatt	ggggtagagg	180
acaatgggct	gctgggtggg	ctggctgagg	aggaaatgcg	aggcttcgct	caagaccctg	240
caccggatgg	cagagaaggt	tggggcaaga	cataaccgtt	cttcgagagc	gagaagtgga	300
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<210> 19445  
<211> 136  
<212> DNA  
<213> Homo sapiens

<400> 19445						
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cgacggtbca	gagggc					136

<210> 19446  
<211> 291  
<212> DNA  
<213> Homo sapiens

<400> 19446						
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atagcagctk	wkactacagg	cgtgtgccac	catgccacgc	kagtttttgt	attkttagta	180
gagatggggg	ttcaccatgc	tgaccaggat	ggttttgatc	tcttgacctk	gggatccgcc	240
cacctcagcc	tcnnaaagtg	ctgrgattac	aggcgtgaag	tcattgcacc	c	291

<210> 19447  
<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 19447						
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gacactttga	aaagcagtcg	tattwgtgaa	gckgtggggg	gagctgcctt	ckctgagggc	120
wyaggccccg	agtgcacckg	gcacactgaa	gaagagtgga	ggccagtgtg	gctggatcag	180
wkcaak						186

<210> 19448  
<211> 216  
<212> DNA  
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<400> 19448						
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gtcttggtc	attgcaacct	ctgtcttchn	gattccacca	attctcctgc	ctcagcctcc	180
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<210> 19449  
<211> 76  
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004220"666T560

<213> Homo sapiens

<400> 19449

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<210> 19450

<211> 207

<212> DNA

<213> Homo sapiens

<400> 19450

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acaaagctac taakgcctka atccactcat kktcaaacak acatgtcagc aaaatgaatc 180  
attkakkaca tcaattkkat gtagaaa 207

<210> 19451

<211> 166

<212> DNA

<213> Homo sapiens

<400> 19451

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<210> 19452

<211> 131

<212> DNA

<213> Homo sapiens

<400> 19452

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<211> 313

<212> DNA

<213> Homo sapiens

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tcttctgaac aagactagcc tgcttggtta attaaaaaat gcatttgcca gccgggctta 180  
tgcctataat cccagcactc tgggaggcca aggcaggtgg atcagttgag gymgggtct 240  
gaaaccagga gattcatctg ccttggcctc ccagagtgc gggattacag gcgtgagtca 300  
ccatgccag cct 313

<210> 19454

<211> 56

<212> DNA

<213> Homo sapiens



0044220" 66667360

<400> 19454  
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<210> 19455  
<211> 138  
<212> DNA  
<213> Homo sapiens

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gttgatggat agccaggc 138

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<211> 75  
<212> DNA  
<213> Homo sapiens

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<210> 19457  
<211> 257  
<212> DNA  
<213> Homo sapiens

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wgggwgcgak gtctggcccc cwagttcgac accaccttg agagcgcgcg gccacgcag 180  
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aacgtggacg ggctcca 257

<210> 19458  
<211> 199  
<212> DNA  
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catgtgcaaa cagcgggtg 199

<210> 19459  
<211> 242  
<212> DNA  
<213> Homo sapiens

<400> 19459  
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004220" 6556T560

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gctcaagcaa ttccaatgcc tcagggtccc aagwgttggg akwcwaggcg tgagcaysaa 240  
ca 242

<210> 19460  
<211> 175  
<212> DNA  
<213> Homo sapiens

<400> 19460  
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<210> 19461  
<211> 169  
<212> DNA  
<213> Homo sapiens

<400> 19461  
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attttcttgt tttctcattg ttctttcaaa ctaatatcc gtttttctat tatggataaa 120  
atactttgga tctctgttat gctatttatc agattttttt ttttttttt 169

<210> 19462  
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<212> DNA  
<213> Homo sapiens

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<210> 19463  
<211> 73  
<212> DNA  
<213> Homo sapiens

<400> 19463  
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tttttttttt ttt 73

<210> 19464  
<211> 412  
<212> DNA  
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<400> 19464  
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aataccatta	atcgttttta	aatattacct	aaatgttgaa	atgataatac	tttggatata	300
gtagattaaa	aatatatata	ttgttaaaat	caatttcccc	tgtttctttt	gactttatat	360
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<210> 19465

<211> 256

<212> DNA

<213> Homo sapiens

<400> 19465

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tttagggtag	atgtgcacaa	cgtgcagggt	tgttacatat	gtatacatgt	gccatgttgg	180
tgtgctgcac	ccgttaactc	gtcattttaca	ttaggtatat	ctcctaatac	tatccctccc	240
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<210> 19466

<211> 151

<212> DNA

<213> Homo sapiens

<400> 19466

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<210> 19467

<211> 163

<212> DNA

<213> Homo sapiens

<400> 19467

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aaagaacgtg	atgttctgtt	atgttcattg	aaacctaaag	aaacagtgtg	gaggcaggcg	120
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<210> 19468

<211> 128

<212> DNA

<213> Homo sapiens

<400> 19468

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acacatatgt	gtgtgtgtgt	atatatatat	gtgtgtgtgt	gtgtgtgtgt	atatatatgt	120
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<210> 19469

<211> 196

<212> DNA

<213> Homo sapiens

<400> 19469  
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 gaaaagtcgg ccgggt 196

<210> 19470  
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 <212> DNA  
 <213> Homo sapiens

<400> 19470  
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<210> 19471  
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 <213> Homo sapiens

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<210> 19474  
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 ccggcct 127



<210> 19475  
<211> 202  
<212> DNA  
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ttcagtgaga aaactggatg agagaaggag gaaatttatt gacaacaatt aaactatagg 120  
gmccaaaact cttaatarga ggaaaaataa aaaactgaat tctkgaagga aagaagaaat 180  
aacttcattt taattttttt ta 202

<210> 19476  
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<212> DNA  
<213> Homo sapiens

<400> 19476  
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cactcgatcatt tcccatctt cccctgcact agtgcgtgata ttatttctta aatgctgaca 180  
atatttgaga agctaatttt agactttccc tctgctagaa actagaagtg tgaacaatg 240  
agttgggtgat ccaaaccact gtctggccc 269

<210> 19477  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 19477  
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gagcagtggg ttgtagtctt ccttgaagag gtccttcaca tccctat 107

<210> 19478  
<211> 252  
<212> DNA  
<213> Homo sapiens

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acagaaaaaa cagtgtgtga ggtrscctggg agtacctgga taatacacc attctgcagt 180  
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tacttcaaga cc 252

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<212> DNA  
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[illegible]

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6560

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<210> 19487  
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<210> 19488  
<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 19488  
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ttttccc 128

<210> 19489  
<211> 219  
<212> DNA  
<213> Homo sapiens

<400> 19489  
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caccaaaaca ggatggtact ggtataataa taggcacata ggccaaggga acagaataga 180

gaacccagag ataatcctaa atacttacag ccaactgat

219

<210> 19490

<211> 140

<212> DNA

<213> Homo sapiens

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<210> 19491

<211> 111

<212> DNA

<213> Homo sapiens

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<210> 19492

<211> 193

<212> DNA

<213> Homo sapiens

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<211> 91

<212> DNA

<213> Homo sapiens

<400> 19493

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<210> 19494

<211> 172

<212> DNA

<213> Homo sapiens

<400> 19494

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<210> 19495

<211> 224

<212> DNA

<213> Homo sapiens

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ctgaaccgga	gacctgaatt	tttcatttac	ctacttggtt	ctttggattt	tcacagatac	180
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<210> 19496

<211> 134

<212> DNA

<213> Homo sapiens

<400> 19496

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<210> 19497

<211> 90

<212> DNA

<213> Homo sapiens

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<210> 19498

<211> 210

<212> DNA

<213> Homo sapiens

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gaaccttcat	gtagtcttca	tgttttgta	gctgtttctc	atctctgaca	attcttagtt	180
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<211> 208

<212> DNA

<213> Homo sapiens

<400> 19499

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cacctcactt	agcaggcaag	ggctgaaagg	aagcaciaag	accaagtcta	actccttcat	180
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<210> 19500

<211> 367

<212> DNA

<213> Homo sapiens

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aaaacctact	tttttgccgg	gcgtggtggc	tcgctcctgt	aatcccagca	ctttgggagg	180
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accccgctct	tgctaagaat	acaaaaaatt	agccgggcgt	ggtggtgcat	gcctgtaatc	300
ccagctactt	gggaggctga	ggcaggagaa	tcacdtgagc	ctgggaggag	gaggttgtgg	360
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<210> 19501

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<212> DNA

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<210> 19502

<211> 163

<212> DNA

<213> Homo sapiens

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accgcacagt	taacagaggt	ggtttgaggt	tttttagctt	tgcataagag	gawgttctga	120
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<210> 19503

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<212> DNA

<213> Homo sapiens

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aaaacaacc	gagtacagg	gaatggaatg	gaatggaata	caatggaatg	gaatcatccg	60
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<211> 185

<212> DNA

<213> Homo sapiens

<400> 19504

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gtgcgtgca	cccactaacg	tgcatctag	cattaggtat	atctcccaat	gcwatccctc			180
cccca								185

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<212> DNA

<213> Homo sapiens

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ttcatgccat tctcctgcct cagcctcctg attagctggg actacaggtg tgtgccacca	180
tgcccggtc a	191

<210> 19506

<211> 214

<212> DNA

<213> Homo sapiens

<400> 19506

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cctggctcta tttttatatt tttgagacag agtcattgctc tgtcaccag gctggagtgc	180
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<210> 19507

<211> 88

<212> DNA

<213> Homo sapiens

<400> 19507

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<210> 19508

<211> 182

<212> DNA

<213> Homo sapiens

<400> 19508

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gctcacacct ctaatccag cattttggga ggccaagggt ggagatcaca tgagcctggc	180
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<210> 19509

<211> 217

<212> DNA

<213> Homo sapiens

<400> 19509

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tatcagatat attatttgca aatatktctt cccattckna gggacgtctt tccactttct	180
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<210> 19510

<211> 272

<212> DNA

<213> Homo sapiens

<400> 19510

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ggagaatcgc	ttgaaccccg	gaggtggagg	ttgcgwwrag	ccgagattgc	gccactgcac	120
tccaatctgg	gtgacaaagc	aagactctgt	ctcccaggct	ggactgcagt	ggcgttatgt	180
tggtcactg	caacctccbc	ctcccgggtt	caagcgattc	tctgcctca	gcgtcctgag	240
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<210> 19511  
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 <212> DNA  
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aggcgtgatg	gcacacacct	gtagtccac	ctacttgga	ggctgaggca	ggagaatcgc	180
ttgaaccagg	gaggcagagg	ttgcagttag	ccaagatcgc	accactgcac	tccagcctgg	240
gcaacagagc	gagactccat	ctcaaaaaaa	aa			272

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 <211> 289  
 <212> DNA  
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aaatcacatt	gctctgtcag	aaghtaagac	aatcagtggt	ggactgagag	caaggtcagc	180
accgtgaaca	gccattgcgg	ttcctttaac	ccactgggaa	ttcatgcagt	gaagaagcaa	240
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ccacaacctc	cctgaggaca	gggacctagt	atcattcacc	cctaactcca	caggccaat	179

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 <212> DNA  
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 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<210> 19520  
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 <212> DNA  
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<211> 127  
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 tgtgttt 127

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 <212> DNA  
 <213> Homo sapiens

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<210> 19523  
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 <212> DNA  
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<400> 19523  
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<210> 19524  
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 <212> DNA  
 <213> Homo sapiens

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 tagtggcttt agcaaattagg ggtt 84

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<210> 19526  
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<210> 19527

<211> 378  
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 ttgaaagaat ggccaagtgg gctgggtgca agtggctcat gcctgtcatc ccagcacttt 360  
 gggaggccga ggcagggg 378

<210> 19528  
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<210> 19529  
 <211> 105  
 <212> DNA  
 <213> Homo sapiens

<400> 19529  
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<210> 19530  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<400> 19530  
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<210> 19531  
 <211> 89  
 <212> DNA  
 <213> Homo sapiens

<400> 19531  
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 gaaagtgttg ttgcatagg cgcataggc 89

<210> 19532  
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 <212> DNA  
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<400> 19532

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<210> 19533  
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<212> DNA  
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<212> DNA  
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gacggctaaa tgtttgcatt gaaaagggtac agttttccct ttccaaataa gtaagtgatc 180  
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<210> 19535  
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<212> DNA  
<213> Homo sapiens

<400> 19535  
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tgctggggct acaggcatgc accaccacac ctggctaact tttatgtaga gatgtagtct 180  
cactgtgtta cccatactga tttcaaattc tggcctcaag caatcctcca gcctcgacct 240  
cccaactgc tgggattaca ggcattgagcc accacggggc c 281

<210> 19536  
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<212> DNA  
<213> Homo sapiens

<400> 19536  
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gcactccagc ctgggcaaca agagcgaaac tccatctcaa aaaaaaaaaa aaaa 174

<210> 19537  
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<212> DNA  
<213> Homo sapiens

<400> 19537  
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tgcccagcta atttttgtat ttttagtaga gacggggttt caccatgttg gccaggctgg 180  
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<210> 19538  
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<213> Homo sapiens

<400> 19538  
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<210> 19539  
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<212> DNA  
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<400> 19539  
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tgttatttaa agatggcagt tattacgaag gggcgctt 158

<210> 19540  
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<212> DNA  
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<400> 19540  
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aa 62

<210> 19541  
<211> 289  
<212> DNA  
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gcgctggacg gcagcaggat ggggaaggcg aaggtccccg cctccaagcg cgccccgagc 180  
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<210> 19542  
<211> 124  
<212> DNA  
<213> Homo sapiens

<400> 19542  
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gtct 124

<210> 19543  
 <211> 186  
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 <213> Homo sapiens

<400> 19543  
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<210> 19544  
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 <212> DNA  
 <213> Homo sapiens

<400> 19544  
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<210> 19545  
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 ggctgggtgt ggtgactctt gcatgtaatc ccagcagttt gggaggccaa cgcaggcagg 240  
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<210> 19546  
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 <212> DNA  
 <213> Homo sapiens

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<210> 19547  
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 <213> Homo sapiens

<400> 19547  
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 cccgagtctt ccaactccacc tc 142

<210> 19548  
 <211> 134

<212> DNA

<213> Homo sapiens

<400> 19548

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<210> 19549

<211> 187

<212> DNA

<213> Homo sapiens

<400> 19549

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gcaccgcgct cggctggtag gtaggattct gaggcagaga gatgtgaagt aagctatgca	120
aggtcactga tgaaagtaac agagccagac accaaccctga cgttgctgga taccagtgcc	180
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<210> 19550

<211> 194

<212> DNA

<213> Homo sapiens

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ctccttcata agcctcccga gtagttagga ccacagtcac gtgccaccac acccagctgt	180
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<210> 19551

<211> 214

<212> DNA

<213> Homo sapiens

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acagccctgg gctgaaagac tcccgggtggc cgtagtgtaa tagccgcggt gagatttgtt	180
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<210> 19552

<211> 93

<212> DNA

<213> Homo sapiens

<400> 19552

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<210> 19553

<211> 96

<212> DNA

<213> Homo sapiens

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<210> 19554  
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<212> DNA  
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<400> 19554  
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gggaggg 128

<210> 19555  
<211> 156  
<212> DNA  
<213> Homo sapiens

<400> 19555  
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aaaaaaraaa aaatccctca gaaargvgtg twtttgrgtc ctatmatgtt ggccaggytg 120  
gtyttgarct cctgacctcc agtgatctgc ccacct 156

<210> 19556  
<211> 293  
<212> DNA  
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<400> 19556  
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ctggcaggac tgcttgctg ctgagggcaa gactcccatg gtgttgctc ctgtcagagg 180  
ggcacgctgg tagagcagaa aggacatgtt cttagaggca ggcaactgta agttcaaatt 240  
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<210> 19557  
<211> 127  
<212> DNA  
<213> Homo sapiens

<400> 19557  
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<210> 19558  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 19558  
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94

<210> 19559  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 19559  
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gccttgtttt ttttttyctt ttggaggggc tcaagtgcc ggtgtctcta gtmagccgtc 120  
ttgcttwatc acttagtcta gttgtcagtt tctccagga cagtatgctt gattggcatt 180  
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<210> 19560  
<211> 224  
<212> DNA  
<213> Homo sapiens

<400> 19560  
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atttttaaca gcagthtttg cgaactgama tgacctttga cagcagaagg ttaccaggca 120  
atttacagac tgaggatgta tggatcatct tactgaaaag aagtttttaa gtcttcagaa 180  
ggcattttct ccttgagtac ggggaagcaa cgacacasag cacc 224

<210> 19561  
<211> 265  
<212> DNA  
<213> Homo sapiens

<400> 19561  
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accatgcccg gctaattttt tgtattttta gtagagatgg gatttcacca tgtagccag 180  
gatggctctg atctcctgac cttgtgatcc acccgctag gcctcccaa gtgctgggat 240  
tacaggcgtg agcnaccgag ccccc 265

<210> 19562  
<211> 142  
<212> DNA  
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<400> 19562  
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ggtttcagca tggtggtcag ggtgggtctca aagtcctgac tctcatgac caccgcctc 120  
agcctccact gggccagggtg cg 142

<210> 19563  
<211> 106  
<212> DNA  
<213> Homo sapiens

<400> 19563  
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ggtctgcatt cttcttctta ctattttttt tagacctttt tttttt 106

<210> 19564  
<211> 188  
<212> DNA  
<213> Homo sapiens

<400> 19564  
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tttttttt 188

<210> 19565  
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<210> 19566  
<211> 249  
<212> DNA  
<213> Homo sapiens

<400> 19566  
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ggaatggaat gtaatggaga gtaaggagat ngaatagaat caatccgagt gtaatggaat 180  
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sgaatggat 249

<210> 19567  
<211> 252  
<212> DNA  
<213> Homo sapiens

<400> 19567  
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ctatacttgg gcmactccca ctcaagtggaa tgtactttcg ttctcaataa atccttgtgc 180  
attttgtcca attctttggt agagatgccg agtacctgga caccttctgc cggttacaac 240  
ttcaacctcc gc 252

<210> 19568  
<211> 199  
<212> DNA  
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<400> 19568  
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gaggctgagg tgagagggtc gcttgagccc aggagttcta gacaagcctg ggaacatgg 120  
caagatctca tccttacaac aaataataat ggtgtgtgcc tgcagtccta gctacttggg 180

tggttgaggc aggaggcta 199

<210> 19569  
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<212> DNA  
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<400> 19569  
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acttagactc ccacacaata ataatgggag actttaacac ccca 104

<210> 19570  
<211> 77  
<212> DNA  
<213> Homo sapiens

<400> 19570  
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acgcgatcca cccaact 77

<210> 19571  
<211> 63  
<212> DNA  
<213> Homo sapiens

<400> 19571  
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aaa 63

<210> 19572  
<211> 249  
<212> DNA  
<213> Homo sapiens

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tggtggcarg gctgggggtg cagtggcgtg atctcggtc actgcaacct ctgcctcctg 180  
ggttcaagca attctactgc ctcagcctct caagtggctg ggactacaga tgcacaccac 240  
cacacccaa 249

<210> 19573  
<211> 125  
<212> DNA  
<213> Homo sapiens

<400> 19573  
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<210> 19574  
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<213> Homo sapiens

<400> 19574

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kaaagaaagg ttggcagttt at	82

<210> 19575

<211> 194

<212> DNA

<213> Homo sapiens

<400> 19575

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gtgcctgtaa tcccagctac ttgggaggct gaggcaggag aatcgtttga acctgggagg	120
cagaggttgc agtgagccgg gattgcacca atgcactcca gcctgggtaa cagagcgaga	180
ctccatctga aaaa	194

<210> 19576

<211> 150

<212> DNA

<213> Homo sapiens

<400> 19576

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aacagccaat tttactttat ccgtccgct	150

<210> 19577

<211> 113

<212> DNA

<213> Homo sapiens

<400> 19577

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taggatgact tatcaaaaat gaaagataag actgggcatg gtggctcagg ctt	113

<210> 19578

<211> 109

<212> DNA

<213> Homo sapiens

<400> 19578

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<210> 19579

<211> 119

<212> DNA

<213> Homo sapiens

<400> 19579

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<210> 19580  
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 <213> Homo sapiens

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<210> 19581  
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 <212> DNA  
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<210> 19582  
 <211> 161  
 <212> DNA  
 <213> Homo sapiens

<400> 19582  
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<210> 19583  
 <211> 63  
 <212> DNA  
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<400> 19583  
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 gaa 63

<210> 19584  
 <211> 93  
 <212> DNA  
 <213> Homo sapiens

<400> 19584  
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<210> 19585  
 <211> 94  
 <212> DNA  
 <213> Homo sapiens

<400> 19585  
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<210> 19586  
<211> 216  
<212> DNA  
<213> Homo sapiens

<400> 19586  
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atgtcctttc tgtttgtagg ttttccttct aacagacagg accctcagct gcaggtctgt 180  
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<210> 19587  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 19587  
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gtctcaaat cctgacctc 79

<210> 19588  
<211> 299  
<212> DNA  
<213> Homo sapiens

<400> 19588  
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actttttctt cagtgtctg attatattgt ctactccat cctagcctgc aagatttcta 240  
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<210> 19589  
<211> 93  
<212> DNA  
<213> Homo sapiens

<400> 19589  
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gctcttccaa ccagacagac acattccttt ttt 93

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<212> DNA  
<213> Homo sapiens

<400> 19590  
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caggagaatc gcttgaacca gggaggtgga ggttgcggtg agccaa 106

<210> 19591  
<211> 65  
<212> DNA

<213> Homo sapiens

<400> 19591

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aaaaa 65

<210> 19592

<211> 218

<212> DNA

<213> Homo sapiens

<400> 19592

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scgwgargct gvgygctcgg tcgahgvsga cgaccatccc cgrtagasga ggaccggtct 180  
tcggtcaagg gtmtacgagt agctgcgctc ccttgcac 218

<210> 19593

<211> 117

<212> DNA

<213> Homo sapiens

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<210> 19594

<211> 95

<212> DNA

<213> Homo sapiens

<400> 19594

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<212> DNA

<213> Homo sapiens

<400> 19595

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acttgttgat gggcagcttc ccgggccact cctctcaggt actctactga aggtttttca 180  
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<210> 19596

<211> 94

<212> DNA

<213> Homo sapiens

<400> 19596

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 <212> DNA  
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 caggaggggc agaaagcaag ggaagcaagg gaaggaagga hsaaagwaag gaagaaagkw 180  
 aagatnattg taatgtacac tctttgcatg tggcaaagta tactctttgc atgagaaagt 240  
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 <212> DNA  
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<212> DNA  
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aatcaccaaa gcagtcagac gaggtatttt ttttcctt 99

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<212> DNA  
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<400> 19605  
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<210> 19606  
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<212> DNA  
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<400> 19606  
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tttgaccctg gtacattgaa attaaagcag ggggaaa 157

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<212> DNA  
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 cgagctt 247

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 aattgctaag gccaggaaa gagagaggaa gtctctgtga gcactgagaa caggaaataa 180  
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 ctgagccaaa gcaagactgt caaaaaaaga 90

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<210> 19614  
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 aattgctggg attacaggtg tgagccactg tgcctggccg ggatactgtt tttttgagta 180  
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<210> 19615  
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<400> 19615  
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<210> 19616  
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 <212> DNA  
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<400> 19616  
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<210> 19617  
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 agggggtwtc accawgttgg ccaggctggt ctggaactcc tgacctcaga tcatctgcct 180  
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<210> 19618  
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<213> Homo sapiens

<400> 19618

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51

<210> 19619

<211> 169

<212> DNA

<213> Homo sapiens

<400> 19619

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msmtggagtt tcaccgtgtt agccaggatg gtgtcaatct cccgacctcg tgatccaccc  
acctcggcct cccaaagtgc tgggattaca agtgtgagcc accaggcct

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120

169

<210> 19620

<211> 63

<212> DNA

<213> Homo sapiens

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60

63

<210> 19621

<211> 101

<212> DNA

<213> Homo sapiens

<400> 19621

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101

<210> 19622

<211> 121

<212> DNA

<213> Homo sapiens

<400> 19622

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60

120

121

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<211> 170

<212> DNA

<213> Homo sapiens

<400> 19623

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taaaaatata aaaaattaac tgkktgtggg ggtgtgtggt tgatcatcca

60

120

170

<210> 19624

<211> 133  
<212> DNA  
<213> Homo sapiens

<400> 19624  
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agtttctggt cct 133

<210> 19625  
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<212> DNA  
<213> Homo sapiens

<400> 19625  
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gggactacag gcaagcacca ccacatccag caaattttkg tattttkttg tagagacagg 240  
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<210> 19626  
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<212> DNA  
<213> Homo sapiens

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<210> 19627  
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<212> DNA  
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<210> 19628  
<211> 320  
<212> DNA  
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aatttttaat gtattcctgt agaggacgtg aggtattgat acaaatttaa tatttttttt 240  
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<210> 19629

<211> 263

<212> DNA

<213> Homo sapiens

<400> 19629

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ctgtgacatg agacttggat gaccaagaga caaaaaggac tttcacttca tattcttgtg	180
taatgtcaaa tgtagcata agaagtgtta cttttaaaac ataaaagata gttaaagaaa	240
aagtaaaata ctcatggct cct	263

<210> 19630

<211> 251

<212> DNA

<213> Homo sapiens

<400> 19630

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aattttttgt atcttttagta gagacagggt ttcdccctgt tagccaggat cgtctcaatc	180
tctgacttc gtgatccgct cacctcggcc tcccaaagtg ttgggattgc aggcacccca	240
cctcgcccta a	251

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<211> 250

<212> DNA

<213> Homo sapiens

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atgagtgaga atatgcggtg tkhagttttt ctyntgatag ttactgaga atgatgattt	180
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<211> 101

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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140

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<211> 123

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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gcttttagtat	tctwtttttt	tattattatt	atactttaag	ttctggggta	caagaataag	180
aacagagagt	catatgaagt	atctttaaca	caaaagactg	acccctcagt	caggcctatg	240
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<210> 19636

<211> 111

<212> DNA

<213> Homo sapiens

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<210> 19637

<211> 256

<212> DNA

<213> Homo sapiens

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acgaggactg	gtcttctttt	ttttttttaa	tattaattaa	tttatttttt	gagacggagc	180
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<210> 19638

<211> 155

<212> DNA

<213> Homo sapiens

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<210> 19639  
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gggattacag gtgtgagtca ctgcacccgg cc 272

<210> 19640  
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<212> DNA  
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<212> DNA  
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<210> 19642  
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<212> DNA  
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caaacctttg gttgcdcgcg tccccttggg tcgattccac gcaaggagcc acaagtgaga 180  
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03749020

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twdttattta	gatttttttta	aattataactt	taagtttttag	gttacatgtg	cacaacgggc	180
aggtttgtta	catatgtata	catgtgacct	gttgctgtgc	tgcacccatt	aactgcgcatt	240
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<210> 19649

<211> 306

<212> DNA

<213> Homo sapiens

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cagcactttg ggaggctgag gcgggtggat catgagggtca ggagttttga gaccggcctg 180  
gccaagatgg tgaaacccca tctctactaa aaatacaaaa attagctggg tgcagtgggtg 240  
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gcggww 306

<210> 19650

<211> 114

<212> DNA

<213> Homo sapiens

<400> 19650

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<210> 19651

<211> 97

<212> DNA

<213> Homo sapiens

<400> 19651

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<210> 19652

<211> 99

<212> DNA

<213> Homo sapiens

<400> 19652

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<210> 19653

<211> 315

<212> DNA

<213> Homo sapiens

<400> 19653

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atgcbagtggt aggggaatgt aatggaacgg aatgcaatgg aatggaatca tccggaatgg 120  
rawtgaatg gaatggaatg gaatcgaatc aaccggagtg caatggaatg gagtgggaatg 180  
gaatggaatg gaatggaaca acccgaaatg aatggaatgg aatggagtgt aagggaattg 240  
aatagaatca atgcgnatgt aatggaacgg aatggaatgg aatcaatgcg agtggagggg 300



atgctgggtgt gctgcaccca ttaactcgtc atttagcatt aggtatatct cctaaagnta 300  
tcccaccccc ctc 313

<210> 19659  
<211> 111  
<212> DNA  
<213> Homo sapiens

<400> 19659  
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<210> 19660  
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<212> DNA  
<213> Homo sapiens

<400> 19660  
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<210> 19661  
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<212> DNA  
<213> Homo sapiens

<400> 19661  
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<210> 19662  
<211> 206  
<212> DNA  
<213> Homo sapiens

<400> 19662  
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acctctgcct cccgrrgatc aagcgattct ccttcctcag cctcccgagt agctgggatt 120  
acaggtgccc gtcggctaatt ttttggtttt ttgttttgtt ttgttttgtt tttttttgtt 180  
tttgtttttg ttttgnaacg gagtct 206

<210> 19663  
<211> 54  
<212> DNA  
<213> Homo sapiens

<400> 19663  
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<210> 19664  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 19664

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aggaccagag	tatctactaa	agaaagctga	gccaaattctg	tgaaggaaaa	tttgagataa	180
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a						241

<210> 19665  
 <211> 301  
 <212> DNA  
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<400> 19665						
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gtaaaagcaa	attcttctgg	attgagtcac	cattacaatg	atcagtaaca	cacagttgat	180
ctgaacaaca	tagatatact	cagggcggat	aaataatagt	taagcataat	aactgaaatt	240
tcatttgaaa	tgcactctct	tgagaagaaa	acgtctttta	ttttttctag	ttagttaatt	300
a						301

<210> 19666  
 <211> 240  
 <212> DNA  
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<400> 19666						
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ctttgggacg	cccaggtggg	tggatcatga	ggccaagaga	tcaagaccat	cctggcccac	180
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<210> 19667  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 19667						
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gaatagccat	ttggggagag	tagacacaaa	aggc			154

<210> 19668  
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 <212> DNA  
 <213> Homo sapiens

<400> 19668						
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cgtttggttc	tgaacttaca	cactgatgcg	tcctcaggtg	ttttcacctc	ctctggatth	120
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<210> 19669  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<400> 19669  
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 accctagaaa gtcccttgtg gtctttttttt attctatctc ctccctccc tgcccctgga 180  
 ggaaatcgct ttttgatttc tataacctatg gattaatttt gctatttcta aagcattaaa 240  
 atggcagcat ggaaaatgta cttttttgtg tttgacttct ttcaccaagc ataattgttt 300  
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 cctgcca 367

<210> 19670  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens

<400> 19670  
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 agagagaggt ggttactt 138

<210> 19671  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 19671  
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 cagataattt tgttgcccat gcactaagca tagaaccgaa taggtatttt tttaaattat 180  
 ctccccactc ct 192

<210> 19672  
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 <212> DNA  
 <213> Homo sapiens

<400> 19672  
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 ccgtatcttc catt 134

<210> 19673  
 <211> 108  
 <212> DNA  
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<400> 19673  
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 aatggccata ctgcccaagg taatttatac attcaatgcc atcccccc 108

<210> 19674  
 <211> 305  
 <212> DNA  
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<400> 19674  
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gaaagctccg tctctgctaa aaatgcaaaa aattggctgg gcttgggtggc atacacctgt 180  
gggtcccatct actcgggagg ctgagggggg agaattgctt gagcccggga ggcggaggtt 240  
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caaaa 305

<210> 19675  
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<212> DNA  
<213> Homo sapiens

<400> 19675  
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ctcattttct atattctatt tatcatccct tttcttcatt taaatttttt ttttttactt 120  
ttttaaaacta tcctttwgt gaactgatta agttttcaaw attctctttt gcccttctgc 180  
tgctttgaga gctataatgg tttgtatttc cattatttta gttaaactctt ttcagttttt 240  
ttcattacat atatttaatt atacatttkg ctagaagagt ctgaattact taatattttt 300  
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<210> 19676  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 19676  
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tccctt 126

<210> 19677  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 19677  
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acttttttga ctcaggtgt cactctgtgt ccagt 95

<210> 19678  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 19678  
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catgctggtg cgctgcaccc actaacttgt catctagcat taggtatacc tcccaatgct 120  
atccctccct cataccctc ac 142

<210> 19679  
<211> 202  
<212> DNA





gcctccgggt tcgcgtca 138

<210> 19685

<211> 154

<212> DNA

<213> Homo sapiens

<400> 19685

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ccatccatgg atggcagagc taaaagagca ctaactttaa cataccacta gatgctgcca	120
tggggccaca gcccaaaagt gctgatchg gcc	154

<210> 19686

<211> 151

<212> DNA

<213> Homo sapiens

<400> 19686

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cctttactaa gccacataaa agtaattctgt ttgtgtgtaa ctgccagata taccacctgg	120
aattccaagt aagataagga agaggatgac c	151

<210> 19687

<211> 199

<212> DNA

<213> Homo sapiens

<400> 19687

gagctctgtg ctggctgtga gccgcctccc ggcccctctc cgcagccgcc ctccagccct	60
cccagcctgg cgctggacgg agcctttggg aacaaggggg agaaatgccga gaacttgatc	120
ttagaagcta atcaagcttc ttgtgacttt caagttcaag atggnatctt agaatagggg	180
gatttttttt ttttttaaa	199

<210> 19688

<211> 240

<212> DNA

<213> Homo sapiens

<400> 19688

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tgggtggtca tgctgtaat ctcaatactt tgtgaggcca aggcggggcg atcacctgag	120
gtcarrggt tgagaccagc ctgaccaaka tgatgvaacc ccattctctac taaaaatata	180
aaaattagct gggcgtagtg gcatgcgcct gtaatccag ctacttggga gactgaggct	240

<210> 19689

<211> 306

<212> DNA

<213> Homo sapiens

<400> 19689

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ttttctgcat tagtcttgct agcagtctat caatttggtg atcctttcaa aaaactagct	180
cctggattca ttaatttttt tgaaggtttt ttatgtcact atttctttca gttgttctct	240



aaagtagatt ctaggttggn cgcggtggct cacgcctgta wtcccagcac tttgggaggc 420  
caagtgggc agatcacga 439

<210> 19695  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 19695  
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ttgagtatta tatcttacac tcttgacatg cattctttt tttttttttt 110

<210> 19696  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 19696  
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caagtgattg gcctgccttg gcctccgaaa gtgctaggat tacaggcatg agccaccacg 120  
ctggccctt gtaggtttag aatcctctca atcagttc 158

<210> 19697  
<211> 82  
<212> DNA  
<213> Homo sapiens

<400> 19697  
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ttttgtttg tctgcaccog ta 82

<210> 19698  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 19698  
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ccaattggag atgtttcttg cttt 84

<210> 19699  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 19699  
tattttctcag gtggrkggtt atttagttaa ggtgagaagt agagccaggc acggtggcct 60  
gtgcctttgg tctcagctac ttaggaagct aaggagagac ttgagcccag gagtttgaca 120  
ccagctttgg caatatagg agaccccgtc tcgaaaaa 158

<210> 19700  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 19700  
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 ttttaagataa tggcacataa cttttttcca taccagattt cagtatatac taggttttaa 120  
 tgtgaatatt tctgactcgt tttatttttag tgatttt 157

<210> 19701  
 <211> 310  
 <212> DNA  
 <213> Homo sapiens

<400> 19701  
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 ttacaagcgc ccaccaccat gcccggtga tttttgtatt tttagtagag acgggatttc 180  
 accatgttgg ccaggccagt ctcgagctc ctgggctcaa gtgatcctct catctcagcc 240  
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 ctgtccctcc 310

<210> 19702  
 <211> 119  
 <212> DNA  
 <213> Homo sapiens

<400> 19702  
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<210> 19703  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 19703  
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 aagtttttagg gtacatgtgc acaatgtgca ggtttggtac atatgtatac atgtgccatg 180  
 ttggtgtact gcacccatta actcgtcatt tagcgttagg tatatctcct aatgttatcc 240  
 ctccccctc ccctt 255

<210> 19704  
 <211> 73  
 <212> DNA  
 <213> Homo sapiens

<400> 19704  
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 ccaagccccg agt 73

<210> 19705  
 <211> 72  
 <212> DNA  
 <213> Homo sapiens

<400> 19705  
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 tttttttttt tt 72

<210> 19706  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens

<400> 19706  
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 catggagnat ggggtatcca tcccttcaag catttatcct ttgttacaga ccatccaatt 120  
 aactcttttt aattaatttt aaaatgtaca attaatgtat tattgcctac agtcaccctg 180  
 ctgtgctgtc aaatagtagg tcttattcat cctttctaac tatgtttttt tgtaccatt 240  
 aaccatccct gccttcccc acagctcccc ccaaac 276

<210> 19707  
 <211> 123  
 <212> DNA  
 <213> Homo sapiens

<400> 19707  
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 ata 123

<210> 19708  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<400> 19708  
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 ttgagtatta tatcttacac tcttgacatg cattcttttt t 101

<210> 19709  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 19709  
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<210> 19710  
 <211> 157  
 <212> DNA  
 <213> Homo sapiens

<400> 19710  
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 aagataggaa atgctcctac ccagtctcta gcaccac 157

<210> 19711  
 <211> 190  
 <212> DNA  
 <213> Homo sapiens

<400> 19711  
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 ccgtgcccgg ctaatttttg tatttttttag tagagatggg gtttcaccac cttggmcdvg 180  
 cgcggtggct 190

<210> 19712  
 <211> 157  
 <212> DNA  
 <213> Homo sapiens

<400> 19712  
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 gcctgtaatc ccagcactct gggaggccga ggcggacaga tcacgaggtc aggagatcga 120  
 gaccatcttg gctaacacga ggaaaccgcg tctctac 157

<210> 19713  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 19713  
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 cggacagatg ttttcttttc tttttttttt tttt 154

<210> 19714  
 <211> 237  
 <212> DNA  
 <213> Homo sapiens

<400> 19714  
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 tattggcgtg aagttttctt ttttgttttg tttctatcag gttttggtgt cagaatgatg 180  
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<210> 19715  
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 <212> DNA  
 <213> Homo sapiens

<400> 19715  
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<210> 19716  
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 <212> DNA

<213> Homo sapiens

<400> 19716

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ctgtatatatt ctttgggtaa tgtgaacatc taaaaaatat taattcttcc aatccatgaa	180
ctcagggata tgttttcatt tgtgtttttt ttcctaattt ctkkcatcaa tgttttatag	240
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<210> 19717

<211> 73

<212> DNA

<213> Homo sapiens

<400> 19717

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attgtaaaca ggc	73

<210> 19718

<211> 219

<212> DNA

<213> Homo sapiens

<400> 19718

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atgttagcca gaatggtctt gatctcctga ccgcgtgac caccgcctc ggctcccaa	180
agtgccttga ttacaagcgt gasscaccgc acccggcct	219

<210> 19719

<211> 185

<212> DNA

<213> Homo sapiens

<400> 19719

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gggcagaaca tgcaggtttg ttgcataagt atacatgtgc catggcggtt tgctgcaccc	180
atcac	185

<210> 19720

<211> 202

<212> DNA

<213> Homo sapiens

<400> 19720

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atttgtaaga atcttcttaa ttccagaggt gctaacatgt aaaaagatgt gtatcttaga	120
attgatgaca tcataataat actttgatag gattgttgta aggattaagt gactcaacat	180
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<210> 19721

<211> 114

<212> DNA

<213> Homo sapiens

<400> 19721

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<210> 19722

<211> 193

<212> DNA

<213> Homo sapiens

<400> 19722

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cccagccaat ttactgtckc tttatccaat cccattatt ccttaaccac ctagggtcat 180  
gtcattggac ctt 193

<210> 19723

<211> 148

<212> DNA

<213> Homo sapiens

<400> 19723

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taagcgawcm wcctacctg gcctcgac 148

<210> 19724

<211> 217

<212> DNA

<213> Homo sapiens

<400> 19724

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gacacttctt tcagtatatt gcttgatgct tcaaataaag ttttgtcttg ggtgacagag 180  
ccagactccg tctcaaaaaa aaaaaaaaaa aaaaaaa 217

<210> 19725

<211> 107

<212> DNA

<213> Homo sapiens

<400> 19725

tcagcctccc aaagtgtctg gattacagac atgagccacc gcacccggcc tgattttttc 60  
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<210> 19726

<211> 302

<212> DNA

<213> Homo sapiens

<400> 19726

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atcttcaaac tcagagtttt tctttgtctc ttttatagat ttcagttttc tagtggaatt 120  
 ccctatttgt cttctatctt tttttatgta ttcacataa gtatttttaa atctctatcc 180  
 aataatcacn gtatctcaat agtatatttc tactgtcagt ttgtctcttg acatttgga 240  
 atcagcattt aagdaacttt tttattgaat ggcagacatt tggttcaaac tttgaaaagc 300  
 tc 302

<210> 19727  
 <211> 112  
 <212> DNA  
 <213> Homo sapiens

<400> 19727  
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<210> 19728  
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 <212> DNA  
 <213> Homo sapiens

<400> 19728  
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 ctctgttgcc caggctggag tgcagtgggt cgatcttggc tcaactgcaac ttctgcctcc 180  
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 asaccccc 249

<210> 19729  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 19729  
 gcctgaccaa catggagaaa tcccatctct actaanaaaa aattgtggaa cctgagactt 60  
 aacatagcta acttcttaca ccttaaaatg ttattcattt atcttttttt tttt 114

<210> 19730  
 <211> 234  
 <212> DNA  
 <213> Homo sapiens

<400> 19730  
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 ttcacgtag taaatatagt ataggtaa ataaacaggg agcttggtat tctcattcca 120  
 ataaattgaa agattaattt ttgtcttttt tttctttgag acaggtctc actctcttgc 180  
 ccaggttgc cttcaccac tgcaaaactt gaacgctgac actctgcctc cact 234

<210> 19731  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

<400> 19731  
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attattttggt aaatctacgt gtactttttaa aaataactctt tttttttttt ttttt 115

<210> 19732  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 19732  
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accaaagcag gacagttgca ggtcaagcaa gggggaacrt gttttgcatt tagrgagttt 120  
gaccacaccc 130

<210> 19733  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 19733  
cgggcgacaga gtcccttctt aggcagatc cgcgcgcgct tttcccgcgg cccgcacggg 60  
gccagctga cgggcccgcgt tgtttacggg cccgagcagc cctctctccc accgcc 116

<210> 19734  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 19734  
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ggctaatttt ttttttttaa atct 84

<210> 19735  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 19735  
tcattagtca aaatagtcac agagatccat ctaggttcaa gggaggaaca taaactgcac 60  
ctttttcttt ctttcttttt ttctcttttt ctttt 95

<210> 19736  
<211> 342  
<212> DNA  
<213> Homo sapiens

<400> 19736  
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aaaggagtca aggatgactt ccagggtttc tagcttgagc aaacaggata acaaacatgg 180  
aggaaggatca aattaggagg gggaatgtga atttggattt gtacattttg agtttgagtt 240  
acctgtgaga taccgggtag caggtggagc cctggagact tgggagttgg tcgtaaatgt 300  
tactgaggtc gtagaagtga ttgagattgc gcaggagga aa 342

<210> 19737  
<211> 179

<212> DNA

<213> Homo sapiens

<400> 19737

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actattttct atctgtgcat ctatacttgc tgatagatgc atggagtaca ggtgtctgtg	120
agttagtggga atctcwndat tccthccakg hgaagcggtt ggtattttta agtggatat	179

<210> 19738

<211> 163

<212> DNA

<213> Homo sapiens

<400> 19738

attaaccttt ttttcttttt tattatactt ttaagtttta gggatatatg gcacaacgtg	60
caggtttggt acatatgtat acatgtgccca tgttggtgtg ctgcacccat taactcgtca	120
tttagcatta gatatatctc ctaatgcwwt ctctccctcc tct	163

<210> 19739

<211> 231

<212> DNA

<213> Homo sapiens

<400> 19739

accatgctgt tttggctagt atagctctgt agtataatth gaagtcaggt tatttgattc	60
ttctaatttt ctctttttgc tttggattgc tttggctatt caggctcttt ttttggttcc	120
atatgaacgt tagaatacgg ttttctwatt ctgtgraaaa tgatrwtggw agtttgatag	180
gaatagtgtt gaatctakar attgckttgg gcagtatgac cattttaatg a	231

<210> 19740

<211> 88

<212> DNA

<213> Homo sapiens

<400> 19740

gcgcattgctc gggggaggcg gattccgggt ccggagttgg aggcctttggg cggccgcggc	60
gtasgcrcgw tdccggggcc ggcgggga	88

<210> 19741

<211> 102

<212> DNA

<213> Homo sapiens

<400> 19741

cttatccata agagctttgc ttgcaaatac caccacaaag atggttacct ttctagcctt	60
ctcagaaatt ctgttggttg tgtgaccatc tctttaccgc cc	102

<210> 19742

<211> 314

<212> DNA

<213> Homo sapiens

<400> 19742

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gtgccacccc cggataatth ttgtatthtt agtagagatg gggthttcacc atgttggtca 120  
 ggctggtctc gaactcctga catcgtgatc caccgcctc gacctccaa agtgctggga 180  
 ttataggcgt gagcaacctc gccagccgc atccgatatt tttagaactt acactgttca 240  
 gtacaggagt tagcagtggg taaaacacaa actttggaaa gagttatgat atctaaagtt 300  
 acagagctag caaa 314

<210> 19743  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

<400> 19743  
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 atcgactcat tthttthtta atthttthtg agattgagta ttgctcttgt tgcccaggct 120  
 ggactgcaat ggcatactct tgggtcactg caacctcc 158

<210> 19744  
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 <212> DNA  
 <213> Homo sapiens

<400> 19744  
 gttcaagega ttctcctgcc tcagcctcct gattagctgg gattacaggc atgggccacc 60  
 gtgcttggt gatgtthgta cthtttagtag agacggtgtt tttccatgtt ggtcaggctg 120  
 gtctccact cccc 134

<210> 19745  
 <211> 50  
 <212> DNA  
 <213> Homo sapiens

<400> 19745  
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<210> 19746  
 <211> 84  
 <212> DNA  
 <213> Homo sapiens

<400> 19746  
 cthtcaaaca aatctaatac tgttacgtct agaatgccac atgcccaccc tthctgtcat 60  
 caacctggaa aagaacaaca aaca 84

<210> 19747  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<400> 19747  
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 tgcaattgga gtaataactt ctatttgaca tthtttaaaa ascacagaaa atctthtaaaa 120  
 tgtkgtgtaa agthttctgcc tgggtcggwg actcacgcct gtaatcccg ct 172

<210> 19748

<211> 117  
 <212> DNA  
 <213> Homo sapiens

<400> 19748  
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<210> 19749  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 19749  
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 tgcattaggt atttgtccta atgctatccc tccccttgcc ccccat 106

<210> 19750  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

<400> 19750  
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 cagtagtagg agtgtctatt cccttaggga ggaggggtgga cctcagtgga tccatggact 180  
 tgggtcccaag atcgtttagag atgtttagatt tgtcccttag aagatcactt ctatatatcb 240  
 gaggctgtga ctcatgcctk ntaatcccag tactttggga ggctgaggtg ggcgcac 297

<210> 19751  
 <211> 166  
 <212> DNA  
 <213> Homo sapiens

<400> 19751  
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 aaaccaagcc ttgagatgta tctttgaagc tgaagctggg aatacactag ggtgagggaa 120  
 gtgggaacca gccctgcaaa gtatggattt caatggcaca ccgccc 166

<210> 19752  
 <211> 81  
 <212> DNA  
 <213> Homo sapiens

<400> 19752  
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 ttgattttga ttttkttttt t 81

<210> 19753  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<400> 19753

gaatacaaac	ttataattta	tttcttatct	aaatttaaaa	agcagaggcg	aatacctcct	60
aaggaaaca	tacctaataa	aacaaagcca	tgtggagagc	ataaagaatg	aatttggttg	120
ttattatacc	tcgcatttgc	tgatggacat	tgctatatgt	gtgtgtgtct	gtacagatac	180
gtacaaatat	gtgtatgtac	attcccatta	aactcatgag	tgtagctgca	taatagagta	240
aggcctcagc	cttgtggaat	ttvdagatgt	ctccctcccc	ctgtaa		286

<210> 19754

<211> 259

<212> DNA

<213> Homo sapiens

<400> 19754

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gtcaacatgg	tgaaaccctg	tctctactaa	aaatacaaaa	attagcgaag	tatagtggcg	120
cgcgcctgta	atcccagcta	ctccagaggc	tgaggcagga	gaatcacttg	aaccccggag	180
gcagaagttg	cagtgaagca	aaatcgtgcc	actgcactcc	agcctgggca	acagagcaag	240
actttgaccc	tcccctcac					259

<210> 19755

<211> 415

<212> DNA

<213> Homo sapiens

<400> 19755

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gaatgatctt	ttgtatttct	gaggcattga	ttgtaatgtc	tccagtttca	tttctaattg	120
agcttatttg	gatcttctct	cttcttttct	tggttaatct	cactaatggt	ctatgaattt	180
tctttatctt	ttcaaagaac	cagctttttg	tttcattttt	atcttttttt	gtttgtttgt	240
ttgaggtctt	tttaaaatag	tttctatttc	tctgcagaga	catcctattt	ttccattcat	300
tccacatcat	ttccathbwt	tcaaagtgtg	ttactttgac	ctcatggatc	atagttatag	360
tagatgcttt	aaagtcttct	ataattcaca	tctttttggg	attcacatct	ttttt	415

<210> 19756

<211> 232

<212> DNA

<213> Homo sapiens

<400> 19756

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agaccagcct	gggcaacatg	gggaaacccc	ttctctacta	aaaatacaaa	aattagctca	120
gcatggtggc	acgkgcctgt	aatcacggck	actcaggagg	ctaaggtagg	agaatcgctt	180
gaaccctgga	ggtggaggct	gagtgcgcca	ccgcactcca	gcntggggga	ca	232

<210> 19757

<211> 126

<212> DNA

<213> Homo sapiens

<400> 19757

ctgtccattc	ccaccctttt	ccccccagca	tctggtaacc	accattctac	tctctacttc	60
taggagttaa	actcttttag	agtccagata	aaagtggatg	catatggttt	ctgtctctct	120
gtgcct						126

<210> 19758

<211> 171  
<212> DNA  
<213> Homo sapiens

<400> 19758  
ctcagttctt tttagtattg aataatattt ttaaacaaaa aacaaatgat catctcaatt 60  
gatatgggtt ggctgtgtcc ccacccaaat ctcaacttga attgcagctc ccataattcc 120  
cacatgttgt gggagggacc ttgtgggaga taattgaatc atgggggcag t 171

<210> 19759  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 19759  
aaatggactt tcgctctgtc acccacgctg gagtgcactg gcgcaatcta ggctcattgc 60  
aacctccacc tcccgggta 79

<210> 19760  
<211> 143  
<212> DNA  
<213> Homo sapiens

<400> 19760  
atggcctggg gagawggggc tgtgtgctcc attccaggat caagactttg tagaaatcat 60  
gttttctaga tggttgtggg ctgtgtgcag cagaaggact caaggcaatt aacatacagc 120  
taatgaavct ccaaagwkgc acc 143

<210> 19761  
<211> 109  
<212> DNA  
<213> Homo sapiens

<400> 19761  
ttctcctgcc tcagcctgct gagtagctga aattacaggt gcacaccacc acgcccagct 60  
aatttttgka tttttttag agacaggggt tcaccatgtt ggtcaggct 109

<210> 19762  
<211> 150  
<212> DNA  
<213> Homo sapiens

<400> 19762  
agttggttct ttgaaaaaac taaaaaaaca aactaagctc tggcaaatta aatgaaagag 60  
gtcaaataat ccctaccaga aattttaaata ggaacataaa gttaaataca gcagaagttt 120  
taaaaggcag agaggatata atgtactttt 150

<210> 19763  
<211> 146  
<212> DNA  
<213> Homo sapiens

<400> 19763  
cttgtggttc ataaactaag agaccttcat gcctgtagag attggggaga ctggmmagtt 60

tgagtgagtc aagagtgcta gaatgatttc cccatcaaaa gggcatgacc cctggcccca 120  
agcttgtaca gcagcatctg cccctc 146

<210> 19764  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 19764  
taattgtttt atttactcag tcagatttca actccctcaa yttctgaatg actcccttgc 60  
tgggagtcag gttctcagtt attattacaa aatttaataa tggaacagtt ccatatgcat 120

<210> 19765  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 19765  
aaaattagcc gggcgtagtg gcgggtgcct gtagtccag ctacttggga ggctgaggca 60  
ggagaatggc atgaaccccg gaggcggagc ttgcagttag ccaagatygc gccactggac 120  
tcsarcctgg rgggwcdkag gtgatactcc a 151

<210> 19766  
<211> 168  
<212> DNA  
<213> Homo sapiens

<400> 19766  
agaaaagccc tggccagtgg cgggcgcgac actatccgtg cggccaggcg gagaccgga 60  
ggaccgaagc ttccggacga cgaggaaccg cccaacatgg cctcggagggt ggctgaggar 120  
tggggccagg gcaccttcaa astgaactcc aatgatgagg acatccac 168

<210> 19767  
<211> 100  
<212> DNA  
<213> Homo sapiens

<400> 19767  
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tgtttgagac agagtctcac ttgcttccc argctggagt 100

<210> 19768  
<211> 51  
<212> DNA  
<213> Homo sapiens

<400> 19768  
caccgmtgc atcacacca cgggcacca cccctkgca aagaagctcc c 51

<210> 19769  
<211> 103  
<212> DNA  
<213> Homo sapiens



<400> 19769  
ttagtagaga caaggtgtta cccaggatgg tctcgatctc ctgaccttgt gatccgcctg 60  
ccttggcctc ccaaagtgt aggattacag gcgtgagcba cgc 103

<210> 19770  
<211> 91  
<212> DNA  
<213> Homo sapiens

<400> 19770  
cttttcacca tttttstatg ggggtgtcttt tccttagagg agctgtttat aaattagaaa 60  
ggttagccct gtatgaaatg agtgggtggct t 91

<210> 19771  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 19771  
ttaggagaga gactaatgta agaatggact tgagatggga tgatcagga aatataaatc 60  
aaaattgtaa atataaaaaac aagaccagac atggcagctc atcctataat ccargcact 120  
tttgaggrdg wccaaggcgw rgakgattgc ttgggccag gwactaagg ctgcagtga 180  
ctgggattat gccactgctc tccagcctgg gaggckacaa gaccctgtct cwaacaacaaa 240  
caaacaacaaa ataccttttt tgggtcaaaa gccctcct 278

<210> 19772  
<211> 333  
<212> DNA  
<213> Homo sapiens

<400> 19772  
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tacacgtgcc atgggtggtt gctgcaccca tcaacccttc acctacatta ggdtttctcc 120  
taaakgctat cctcccgtt attaatTTTT aaattgtttt attttataat ttttaaagag 180  
cattgttgag gtatgactga catagaaaaa gcagcacata ttttaaggat acaacctaat 240  
aagtgtggag gtaagtatat acctaggaaa tcatcataac tatcaataac ataaacakgt 300  
ccattacgtc nnaacgtttc ctctccccc ccc 333

<210> 19773  
<211> 304  
<212> DNA  
<213> Homo sapiens

<400> 19773  
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taatgactta ttttccttta ggtcgattcc cagtagtgag attgctggat tgaatggtag 120  
atctactttt agttctttga ggaatttcca tattgttttc caatggagggt tgtactaatt 180  
gacatcacta ccagcagtgat ataagtaatc ctttttcact acctctacac cagcatttat 240  
tgtttgtttt tgggattttt ttgtttttgt ctttttataa tggccattct ggctaggaaa 300  
aggt 304

<210> 19774  
<211> 210  
<212> DNA

<213> Homo sapiens

<400> 19774

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agctcactgc	agcctcgacc	tcctgggctc	aagcaatcct	cccacctctg	ttccctgagt	120
agctgaaacc	acagaccatt	acctaagacm	tytttwaaaa	attagcwaga	tatggtggca	180
cacgcctgtg	gtttcagcka	ctcagggaac				210

<210> 19775

<211> 188

<212> DNA

<213> Homo sapiens

<400> 19775

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gcgatcctcc	caccttggcc	tcccaaagt	ctaggattat	aggtgtgagc	cactgcaccc	120
agctbrggt	gagttttgaa	gcataggtgg	gcttraggca	gttaagbagg	gcattcatga	180
tggggggcc						188

<210> 19776

<211> 242

<212> DNA

<213> Homo sapiens

<400> 19776

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tgtaaatagt	gcagcaataa	acatacatgt	gcatgtctct	taatcgtaga	ataakttata	120
atcctttggg	gatatgccca	gkkgggattk	dctgggtcaa	atggtatttc	tggttckaga	180
tccttaagga	ttcaccatac	tgtcttccac	aatggttgaa	ctaatttaca	ctccccccaa	240
ca						242

<210> 19777

<211> 173

<212> DNA

<213> Homo sapiens

<400> 19777

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cactgtcaat	ggactgcaaa	caaaactcgt	ttctgttatt	gatgataaac	catttcagag	120
aaagaccagr	ctgagtckaa	arggttmaga	ttrawtwacc	raagggraag	gma	173

<210> 19778

<211> 103

<212> DNA

<213> Homo sapiens

<400> 19778

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ctccctccct	cttccctcc	ccagccccc	ctccaccccc	gct		103

<210> 19779

<211> 60

<212> DNA

<213> Homo sapiens

<400> 19779  
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<210> 19780  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 19780  
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<210> 19781  
 <211> 61  
 <212> DNA  
 <213> Homo sapiens

<400> 19781  
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 a 61

<210> 19782  
 <211> 139  
 <212> DNA  
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<400> 19782  
 ggtagtggag atgtccggcc ggtctaagcg ggagtctcgc ggttccactc gcggaagcg 60  
 agcagtctga gtcgcggggc agctccggtc gcktcaagcg ggagcagcgc gcgaggctga 120  
 ggcaggagaa tcacttgaa 139

<210> 19783  
 <211> 80  
 <212> DNA  
 <213> Homo sapiens

<400> 19783  
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 caccactacc aaaaaaaaaa 80

<210> 19784  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 19784  
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 agaawyaag wagcaragar ttaatatgga gcaagagtc tcckgaggac caggcctggg 180  
 ctaattatgg tgatagttgt tgcaatktgt ttggaccatc atasagtata agaacaccac 240  
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<210> 19785

<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 19785  
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cttgcatcct tcttttatac aaagtcctgt gttagttgtg ggaatggaga gaagagaatg 120  
tatctaaggw ggcagagcag wcagattttg gcadctgatt agatat 166

<210> 19786  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 19786  
ctaacagggt gaarcccttt ctctactaaa aacacaaaaa ttagctgggc gtagtggcag 60  
gtgcctgtaa tcccagctac ttgggaggct gaggcaggag aatcgtttga acctgggagg 120  
cagaggttgc agygagccgg gatttgcacc aatgcactcc agcctgggta acagagcgag 180  
actccatctg a 191

<210> 19787  
<211> 135  
<212> DNA  
<213> Homo sapiens

<400> 19787  
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agcattggga aatgggagca cagtactggg aaatnraagc tcacagtcct gggaaabggg 120  
agcatagtgc tggga 135

<210> 19788  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 19788  
tatgtatata ttctataatg attaccacaa tcaaaatga'c acatctgtca ccaactcatgc 60  
tgtacattag atcctcagaa ctaatcttat aactgaragt ttgtaccgtt tgaccaacat 120  
ctccccattt cccctgcttt cccagcccc tc 152

<210> 19789  
<211> 249  
<212> DNA  
<213> Homo sapiens

<400> 19789  
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gaaatcacc accaaaaaga tggcattgtg aggagtcata ttcagttttt knaagaatct 180  
tatataatcct agaactgtat tgctaagaag agttggtttt tcagttaaga aaaatccctg 240  
ccccacacc 249

<210> 19790  
<211> 75

<212> DNA  
<213> Homo sapiens

<400> 19790  
caataaatta tcatcaaatt agtgtatctg actacagccc cagggagtgg gtttgttttg 60  
agaaggggcc atgtt 75

<210> 19791  
<211> 155  
<212> DNA  
<213> Homo sapiens

<400> 19791  
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atcctggaat ataaaacaag cctcaacctg aaaaaataat caaattcata cagtgtttta 120  
atattttcct gtttataacc tgttactgat tctta 155

<210> 19792  
<211> 81  
<212> DNA  
<213> Homo sapiens

<400> 19792  
agcagagagg aaacggcaga gccagagaga aagaggaaga gactgagtgt gaaggagaga 60  
ggacacakgg gatgactgag a 81

<210> 19793  
<211> 78  
<212> DNA  
<213> Homo sapiens

<400> 19793  
agtctccagc cctccstgga gggcgwrttg gaccagcccc tgatggggcg ccgggagcca 60  
cgggatgggg cgtgatgc 78

<210> 19794  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 19794  
cgaggtcagg agatggagac catcctggct aacacagtga aaccccatct ctactaaaaa 60  
tacaaaaaaa ttggccggac gtgggtggcg gcacctgtgg tcccagctac tcgggaggct 120  
gaggcaggag atgggtgtgag cccaggaggc agagcttgca 160

<210> 19795  
<211> 132  
<212> DNA  
<213> Homo sapiens

<400> 19795  
cctcccagat agctgggact acagggtacct gccaccacgc ctgggctaatt tttggtagag 60  
atgagggtctc actatgttgc ccagggtggg ttcgaactcc tgggctcaag cdatacctcct 120  
gcctcaacct cc 132

<210> 19796  
 <211> 126  
 <212> DNA  
 <213> Homo sapiens

<400> 19796  
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 ctctcttctt caatgtgctc atgtgtccct tggcttacag tatccatgcs ttctccttct 120  
 ccctcc 126

<210> 19797  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<400> 19797  
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 ttgggagaga tggctctgat ttttgactc ttcttttggg gatttcwggc mccatcctag 120  
 agcaggagat ggtcaaggca arrcgarbat agcatcactc rgctctgaca tctgctagga 180  
 aaggcatgca grkgtgctgg tagcttgac tcttactcaa atgtgtgttc cccagggaaac 240  
 aggagccatt gtcctttcct gttgacctcc agggcacatg ccaggaggtg cctctgctgg 300  
 ttgggagtwc ttgacttaag ataaatca 328

<210> 19798  
 <211> 64  
 <212> DNA  
 <213> Homo sapiens

<400> 19798  
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 cctc 64

<210> 19799  
 <211> 220  
 <212> DNA  
 <213> Homo sapiens

<400> 19799  
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 tcctgtattt taataaatac aagtatttca gttttgtttg tttttctctt ctggaaataa 120  
 atgctacaag cgcactact gcacgtacaa ataaagtattt aaaatcccaa cttctttgct 180  
 tggcatttaa ggtgctacaa gctatctttt tttttttttt 220

<210> 19800  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 19800  
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 aaatgcaca 129

<210> 19801  
<211> 273  
<212> DNA  
<213> Homo sapiens

<400> 19801  
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tgggtgctgt gactcatgcc tgtaatccca gcactttggg aggccgaggc aggaggatca 120  
cctgagggtca ggagtttcag gccagcctgg ccaacatggc aaaaccctgt ctctactaaa 180  
aatacaaaat tagccgggca tgggtggcgca tgactataat tccagctact caggaggctg 240  
aggcaggaga attgcttgaa ccaggaggtt gga 273

<210> 19802  
<211> 176  
<212> DNA  
<213> Homo sapiens

<400> 19802  
ccccatctct actaaaaata caaaattagc caggctaggt ggctcatgcc tgtagtccca 60  
gctactcagg aggctgaggc agcttgaacc cgggaggcgg aggttacagt gagccgagat 120  
cgncgccmct gcmaytccmr gtctaggcga caagagcgaa actccatctc aaaaaa 176

<210> 19803  
<211> 362  
<212> DNA  
<213> Homo sapiens

<400> 19803  
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tcccagggtg aacagcgggt cccgccacta tgtcacccctt tcctgccgcc tccccggatg 120  
aactgcatgc agggcggcac gtaacaacgt ttaacttttt gagataaatc cacacatcat 180  
aaagcatttt cacngatagc tctttttttgt tttgtttttgt ttttgagatg gagtcttgct 240  
ctgtcaccca ggctggagtg cagtggcact atctcggctc actgcaagct ccgcctccca 300  
vvgttcacgc cattctcctg cctcagcctc ccgagcagct kdgactacag gtgccctcca 360  
cc 362

<210> 19804  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 19804  
attattaaag agaaaggctg tatcttattt aatttcaatt tgcatttctt tgattgcagt 60  
tgaagcaatc aattatgttt tattggaccc atat 94

<210> 19805  
<211> 224  
<212> DNA  
<213> Homo sapiens

<400> 19805  
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gttttgacat ttattttaaatt gtttagtaac agaattgagg tactgttagca ggatataaaa 120  
ggcacatatt ttgagaaaga cgcaaaactg ctttagttac agaaacaaaa tcagcctcca 180

004220" 6654560

aacaaaaaaaa caaaaactgt aaaattgtaa ttaataaagg ccca

224

<210> 19806

<211> 137

<212> DNA

<213> Homo sapiens

<400> 19806

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gcttttagca	cggtgtacct	ccttgctgtc	ttgcaacttc	tactacttgc	ttgcaacttg	120
caccttcccc	ctgaaac					137

<210> 19807

<211> 331

<212> DNA

<213> Homo sapiens

<400> 19807

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gnagtggcgt	gatctcagct	cactgcaacc	tctgcctccc	aggttcaagt	gattctcctg	120
cctcaacctt	ccaaagtagc	tgggattaca	ggttcccacc	accatgccca	gtgaattttt	180
tgtatttttt	ttgatagaga	tggggtttca	ccatgttggc	ctggctgggc	tcgaactctt	240
gaccttgtga	tttgygcacc	tcggcctccc	aaagtgttgg	gactacaagt	gtgatccatc	300
asrcccggcc	aacttttctt	tttttttttt	t			331

<210> 19808

<211> 282

<212> DNA

<213> Homo sapiens

<400> 19808

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catgtgaagc	attttgtttg	taacagataa	ctttttgctt	tagttatgat	tttattagtt	120
tttatctgaa	ctttttattg	atagtgatag	ctggaacat	cttcagtga	aattgakncg	180
ttgaaataaa	ctgaaggcat	tccgaaggag	gagggaaaaa	aatacgtaaa	aagaaaaaca	240
aaaaagaaat	aaactggagc	actgccagtc	ggtggcgaaa	ct		282

<210> 19809

<211> 75

<212> DNA

<213> Homo sapiens

<400> 19809

tcttattaga	ctttgactta	agtatatggg	tatgtgtggc	atatccatag	agaaatcatg	60
tatttttttt	ttttt					75

<210> 19810

<211> 78

<212> DNA

<213> Homo sapiens

<400> 19810

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aaatacaaaa	aaaaaaaa					78



<210> 19811  
<211> 85  
<212> DNA  
<213> Homo sapiens

<400> 19811  
ctttaagttt taggtacat gtgcacattg tgcaggttag ttacatatgt atacatgtgc 60  
cacgctggtg tgctgcaccc accat 85

<210> 19812  
<211> 59  
<212> DNA  
<213> Homo sapiens

<400> 19812  
tgtggcacgc atctgtagtc ccagcctccc gagtggctgg gackacagat gcgtgccac 59

<210> 19813  
<211> 212  
<212> DNA  
<213> Homo sapiens

<400> 19813  
cagtgggtgtg atctcacctc actgcaacct ctacctctg agctcaaacc atcctccac 60  
ctcagcctcc caagttgctg ggactaaagg cgcgtaccac cacgcttggc taattttgt 120  
gtttttttgt agarnakggg gtttctccat gttgccttag ctggtctcga actcgtgagc 180  
tcaggagatc tgcttgctc tctgcccgcc aa 212

<210> 19814  
<211> 125  
<212> DNA  
<213> Homo sapiens

<400> 19814  
stgcaaggat ttgccgggtg tggtgacgca tgcctgtaat cccagccact caggaggctg 60  
ggacgggaga gttgattgag cccgggagac ggaggttgca gtgggccagg rtccccactg 120  
cactc 125

<210> 19815  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 19815  
gtcggggacg cgcgcacggg csgvcagctg ttgacgcgct tcttagctgg tgcgcgccgg 60  
agcccaaatt ccaagtggaa actgcaggcg cagcaggagg gaacgcgtgg agcatgaaaa 120  
ggcagggggc ctctctgk mgvaaacgag cgcggatacc gtccgggaag gccgngcag 180  
caaattgatt tctcatggaa ggt 203

<210> 19816  
<211> 127  
<212> DNA  
<213> Homo sapiens



004220"666E1560

<210> 19822  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 19822  
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cgagactcca tctcaaaaaa aaaa 84

<210> 19823  
<211> 56  
<212> DNA  
<213> Homo sapiens

<400> 19823  
atgaatattt tgacaatatt aattcttcca atccatgaac ataggatatc ttcctt 56

<210> 19824  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 19824  
aaaaaagata ggtttaaaat ggtaatcctk gtttagtggt ggattgtgtg tgtgggggat 60  
gtcacatkgc ttcgagag gyc 84

<210> 19825  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 19825  
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aggagtctga gaccagcctc aacatgggga aacc 95

<210> 19826  
<211> 91  
<212> DNA  
<213> Homo sapiens

<400> 19826  
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cggcggcggg gatcctgccg agcccgcagc d 91

<210> 19827  
<211> 101  
<212> DNA  
<213> Homo sapiens

<400> 19827  
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<210> 19828

<211> 97  
<212> DNA  
<213> Homo sapiens

<400> 19828  
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tgtgggtggct tacgcctgta gtcccagcac cttgaga 97

<210> 19829  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 19829  
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tttttttttt tttttttttt 79

<210> 19830  
<211> 86  
<212> DNA  
<213> Homo sapiens

<400> 19830  
cagaggttgc agtgagctga gatcatgccca ctccactcca gcctgggcga cagagcaaga 60  
ctccatctcc aaaaaaaaaa aaaaaa 86

<210> 19831  
<211> 233  
<212> DNA  
<213> Homo sapiens

<400> 19831  
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gttgcccagt ctggagtgcg gttgtgtgat ctcggtcac tgcaacctct gcctcccggg 180  
ttcaagcgat tctcctgcc cagcctccc agtggctggg actacaggca ccc 233

<210> 19832  
<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 19832  
agacatggaa cttggctggt ctgcagggah vssccactgt tttggccggg agtagggggc 60  
gggagtggcg ggagaggggg tggccggctg gggaggagcc agcctggtgg agaagctgcc 120  
ctgtgggc 128

<210> 19833  
<211> 93  
<212> DNA  
<213> Homo sapiens

<400> 19833  
cactatgaga ggtcgaggcg ggtggatcac ttgaggccag gagttcaaga ccagcctggc 60

caacacggca aaaccccgcc tctactaaaa, aaa

93

<210> 19834

<211> 221

<212> DNA

<213> Homo sapiens

<400> 19834

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taatcccagc	actttgggag	gccgaggcgg	gtggawcaga	aggttaggag	ttcgagacma	120
rgyctgahca	accwtgmtga	arcccdatc	tctactaraa	atacwraaat	tagctgggtg	180
tggtggcggg	cgctgwaat	cccagctact	cagggggctg	a		221

<210> 19835

<211> 354

<212> DNA

<213> Homo sapiens

<400> 19835

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cggcttactg	cagccttaaa	ttcctggact	taagcaatct	tctgccttag	cctcctgagt	120
agctgagahy	ammggtgcag	gccaccaacg	cctgggcta	tttaaat	tttktttgt	180
agagatgagg	gcttgctatg	tagacaaggc	tggtttcgaa	ctcctgacct	aaagtgatcc	240
tctcaccttg	gcctcttaaa	gtgctgggat	tacaggcgtg	acammtgcac	ctggccagat	300
catgkkbctt	tatccattca	gccagtttgt	atctttcaag	tggagacaga	ttca	354

<210> 19836

<211> 119

<212> DNA

<213> Homo sapiens

<400> 19836

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tgaggcaaga	tcgtgccatt	gcactccagc	ctgggtgaca	agagtaaaac	tccatctta	119

<210> 19837

<211> 204

<212> DNA

<213> Homo sapiens

<400> 19837

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ttacagaata	tttatattt	ggagaagaca	tggttattat	ttgaaat	tctgcaaagc	120
tgagaatgac	gaataaagat	ttgtacttgg	aaaagttcct	tatggctgca	gaaggattta	180
ctgcagagtt	tggaggtgga	ggtc				204

<210> 19838

<211> 118

<212> DNA

<213> Homo sapiens

<400> 19838

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ggcaggagaa	ttgcttgaac	ctgggaggtg	gaggttgacg	tgggctgaga	ttgtgccc	118

<210> 19839  
<211> 259  
<212> DNA  
<213> Homo sapiens

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gtcaacatgg tgaaaccctg tctctactaa aaatacaaaa attagcgaag tatagtggcg 120  
cgcgctgta atcccagcta ctccagaggc tgaggcagga gaatcacttg aaccccgag 180  
gcagaagttg cagtgaacca aaatcgtgnc actgcactcc agcctgggca acagagcaag 240  
actttgacct tcccctcac 259

<210> 19840  
<211> 335  
<212> DNA  
<213> Homo sapiens

<400> 19840  
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tgtaagcwaa attgaaacag ggatgtatct gtttagtttt acatgtgatt aaatggattt 180  
tmaaataattt tccaaaagtc aagttaagaa aagtcatttc tcaaattcct gagtgtctctg 240  
aactctggtg tttaaccttt agatcctcgt actcagttcc caaatccaga ggctaaacct 300  
gaaatgacaa tgccagatgt tttcacacac acaca 335

<210> 19841  
<211> 248  
<212> DNA  
<213> Homo sapiens

<400> 19841  
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tggtgagaca tggtagagg gttgttatca gaatggagtg gcagtgcata gtgacagatg 120  
atttggrwta attattasat tggrttagat agtatacaga cgttctaagg aattgctaga 180  
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gcccctct 248

<210> 19842  
<211> 89  
<212> DNA  
<213> Homo sapiens

<400> 19842  
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cttgccaaag gtaaaaaaaaa aaaaaaaaaa 89

<210> 19843  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 19843  
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<210> 19849  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 19849  
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 ttaaagcact gmmstcatca tataatttct cagttcagaa tgtcac 106

<210> 19850  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 19850  
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 ccgagggggca accaggggaa gatgggggtgc tggaggagag cttgtgggag ccaa 114

<210> 19851  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<400> 19851  
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 caccgycctc ggccccctt 199

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<400> 19911  
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aaaa 124

<210> 19912  
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<212> DNA  
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<400> 19912  
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cataccccgc at 132

<210> 19913  
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<212> DNA  
<213> Homo sapiens

<400> 19913  
gccctaccaa aatggagaaa ccccgctctcg actaaaaata caaaattagc cgagcacgat 60  
ggcgcatgcc tgtcatccca gctactcagg aggctgaggc tggagaattg cttgaacccg 120  
ggaggtggag gttgcaagtg agccgagatc gcgccactgc actccagcct gggcaacaag 180  
agcgaaactc tccccacgc a 201

<210> 19914  
<211> 250  
<212> DNA  
<213> Homo sapiens

<400> 19914  
gactggaata aartggagag aaatggagtg gagcagaatg taatggaatg gagtgaatg 60  
gcatggagtg gaatagagtg gagttgaatg gaattgaatg gaattgagtg gaggtagag 120  
gagtggagtg gagggaatg gactgcactg gaatgaaatg gmrattgaat tcagttgaat 180  
ggaatagaat ggaatggaat ggagaggaat ggaagggaga gtaatgamgt ggattggaga 240  
ggagtggaat 250

<210> 19915  
<211> 347  
<212> DNA  
<213> Homo sapiens

<400> 19915  
tataaaacat tagaattatt gaattttgca tggttacttc atgtagcaca aatatgcaaa 60  
gcaattataa ttgtttttct gacaacctac ttaaaaaattt tataattgat acaatttata 120  
atagaatcam aaatatcaaa ttcttaggaa tacatcaaag aaaagttata ccaaacctcc 180  
atacataara tgatattatt gaaggaattt ttaagagact taggcaaggg agatatatbc 240  
catgttcatt gttttaaaga ctcaatatgt taaakatttc agttctcacc aaaatgatct 300  
atagagttaa tgcatactca gtgtcagtag gacatttcac agaaatt 347

<210> 19916  
<211> 138

<212> DNA

<213> Homo sapiens

<400> 19916

aaaaattyma agsaagagta ggaatttgcc aggtgacaaa aagcaggaga gaatgccagg	60
cagagactca gagaagggttc tgaagggcag ggggtgagta ggagagagag gcgtgaaatg	120
agcctgcaaa tgtgggaa	138

<210> 19917

<211> 130

<212> DNA

<213> Homo sapiens

<400> 19917

tgagagttaa gggttcaggc atttggaat tcaactgacc ttgacaaaag ttgacaagaa	60
catacactgg ggaaagagtg ttctagcccc agcagccctc aacaggccca gggaggggaag	120
tgtgagctga	138

<210> 19918

<211> 277

<212> DNA

<213> Homo sapiens

<400> 19918

tggttatgat tatcacgact atcgtggagg ctatgaagat ccctactacg gctatgatga	60
tggctatgca gtaagaggaa gaggaggagg aaggggaggg cgaggtgctc caccaccacc	120
aaagggggag gggagcacca cctcccaaga agtagagctg gctaattcac agaggggggc	180
acctttggga atagccaaag ctactttttc ctcccttcct atttatcctg tgtccctgag	240
tgattttttc ctcaaccacc atcacttccc taataat	277

<210> 19919

<211> 141

<212> DNA

<213> Homo sapiens

<400> 19919

atgcgtgtaa gtttcctcta tgtctttttg tgtctggagt tggttcctac cggtggggtt	60
atggtctcgc tgacttcaag aatggagctg cggaccttca tggtgagtgt tacagctctt	120
aaagatggca tggaaccacc c	141

<210> 19920

<211> 348

<212> DNA

<213> Homo sapiens

<400> 19920

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taaataactt gtaccatgct gttattaaaa tgattttttt ctttttttgt ctcctggaag	120
gtgtgtgagc tgaacatttt caccttttgg attggcctct tatagcatct tatctgttta	180
ccacaattct gtggtatctg caatcattat tattktgcga taaacttgag gtttaaagag	240
gttataatta actcatccta cgactacaaa actcacttta aaagtgtact aagttgtbna	300
ctcattcatt cagcctgcgc aacatagtga gacctcatct gtaccac	348

<210> 19921

<211> 171  
<212> DNA  
<213> Homo sapiens

<400> 19921  
tctacctgat tgctcactgg tgaagttaac cttgatcact tggttaaggc gttgtctacc 60  
agagttaccc accgtaagct gctaatttcc ctttccatac tctgttccag ggggtgtccaa 120  
tcttttggct gccctgggac acattggaag aagaattgtc ttgggcaaca t 171

<210> 19922  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 19922  
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tgatggtagg tcttttcttt tgggctcctg gttttaaatc attttttgnt tgcctaatag 120  
cttggaagat ggtttaaaaag aggarggaga gaaaaagatg agtgtctttg cagattcatt 180  
gaccctgtga gaatagggtt ttggcactgc tgaagtcctc agcctctgac tagtagcttg 240  
cca 243

<210> 19923  
<211> 274  
<212> DNA  
<213> Homo sapiens

<400> 19923  
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tggttattat ccttcattct gttgatgtga tgtatcacat ttattgattt gcatatgttg 120  
aaccctcctt gcatccctgg aatgattcct acttcattat agtgtataat ctttttgatg 180  
tgctgtttga tttgggttgc tagtattttg ttgagaattt ttgcatctgt gttaatcagg 240  
gatatttacc tgtggttttc tttttttttt tttt 274

<210> 19924  
<211> 312  
<212> DNA  
<213> Homo sapiens

<400> 19924  
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actttataaa cactgtacac ttaggctata ctaattttat ttaaaaatta tcttcagtaa 120  
taaattagct tgctcaactt tattyatwww tttaactttt tgactcttcc ataaaaacac 180  
ttaaatataa acactgtgag actcaaagaa gagccagatg atggaagttt ttaatactgc 240  
catcctgagg ttaccaaag aataggcaat tgggtgctggg catggagcct cagccttcsa 300  
attcctaagc ac 312

<210> 19925  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 19925  
acgatcttgg ctactgcaa cctccgcctc ctaggttcaa gcgattcttc tgccctcagcc 60  
tcccagatag ctgggattac aggcatgcac caccacgccc ggctaatttt gtgttttttag 120

tagagacagg gtttctccat gttggtcagg c 151

<210> 19926

<211> 185

<212> DNA

<213> Homo sapiens

<400> 19926

aataacaaaa	attagccagg	cgtgggtggtg	catgcctgta	atcccagcta	gtcaggaggc	60
taaggcagga	gaattgcttg	agcccgggag	aaggagggtg	cggtgaaccg	agattgcgcc	120
attgcgctcc	agcttgggca	acaagagtga	aactctgtcc	caagaacaaa	acaaacaaac	180
aaaaa						185

<210> 19927

<211> 111

<212> DNA

<213> Homo sapiens

<400> 19927

tatTTTTtagt	agagatggag	tttactatg	ttggccaggc	tggctctgaa	ctcctgacct	60
caggtaatcc	tcccacctcg	gcctcccaa	atgctgggat	tactggcgtg	a	111

<210> 19928

<211> 258

<212> DNA

<213> Homo sapiens

<400> 19928

gaagaagact	gaaaaaaaaag	ttggaaaaat	cctctaaaga	cacacagtgt	tccaagcaca	60
atcagaccac	taattactgt	taagcttgag	cccctttttg	tgctctgagg	gggacttcgg	120
tgtgcagcaa	ccactcgggt	cttttcttga	gtccgggcta	actcctgaat	agcagattkk	180
tcttttcttc	ccctttcaac	gtttgcttgc	cagtgccttt	cttttccttc	atcttcatct	240
tcaccttctc	ctttttcc					258

<210> 19929

<211> 116

<212> DNA

<213> Homo sapiens

<400> 19929

ggaggctttg	gctgcccag	caggarrgag	ggctcarwmc	aggtgggcag	ggggagtcag	60
gcaggatcca	ggaggctgtg	cvcactgacc	ctaggacagc	attaatgcac	agccaa	116

<210> 19930

<211> 222

<212> DNA

<213> Homo sapiens

<400> 19930

ctaacaatcat	aatgacagga	tcaaattcac	acataacaat	attaatctta	gatatatatg	60
ggctaaatgc	cccaattaaa	agacacagac	tgcaaattgg	ataaatagtc	aaggcccatc	120
agtgtgctgt	attcaggaga	cccatccttt	tagtttgagc	ctatgagcat	ctttgcacat	180
gagatgggtc	tcckgaatac	agcacactga	tgggccttga	ct		222

<210> 19931  
<211> 155  
<212> DNA  
<213> Homo sapiens

<400> 19931  
cgattctcct gcctcagcct cccgagtagc tgggactata ggcacttgcc accatgccca 60  
gctaattttt gtatttttag tagagacagg gtttcacat gttggccagg atagtctcga 120  
tctcttgact tcgtgatctg cctacctcgg ccccc 155

<210> 19932  
<211> 238  
<212> DNA  
<213> Homo sapiens

<400> 19932  
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tcccaaatg tgccaagaat ttcccagtc caggcagggc aggggaaact aagggaagc 120  
aggatacarg gcgagggatg tggggcaggt vaggkggctc ccgcctgtgc cccttctcct 180  
caccaatgtc tccccasc cgcctcagtt ctccgttccc cttcatctcc gtcccca 238

<210> 19933  
<211> 177  
<212> DNA  
<213> Homo sapiens

<400> 19933  
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cgggaggcgg aagttgcagt gagctgagat ccaatcatcg cgctccagcc tgcgtgacaa 120  
agcgagactc cggctcaaaa aaaagaraaa aaaaggmcca ttgcaattta gagatgt 177

<210> 19934  
<211> 180  
<212> DNA  
<213> Homo sapiens

<400> 19934  
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tgcatggtt gttttaacat gcttgagtct aggacattat cagaccccat cagaaagtag 120  
ttagcgtgga aagacaacca ttgtgdcaca tattcaccta ctgcaagcaa tacaaggcct 180

<210> 19935  
<211> 109  
<212> DNA  
<213> Homo sapiens

<400> 19935  
ggtgcatatt ttgsaaatat tttctctcat tctgtaggtt gtctgttcac tctgttgata 60  
gtttcattca ctgcgcagaa agttttttgt gtagttacca tttgtcttt 109

<210> 19936  
<211> 115  
<212> DNA  
<213> Homo sapiens



<400> 19936  
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<210> 19937  
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 <212> DNA  
 <213> Homo sapiens

<400> 19937  
 tatatttttc atcatgtaaa caagtttccc atttcccttt cttagattgc accagtgaag 60  
 gagatgtttt gcaaagattc akagaactaa tttttcactg gataagacct gagtaaccca 120  
 gamcccccab cgwdgttctt twtsaccaag ccctcgactt kgcacttaaa aagggatatt 180  
 gtraatgaaa ggctgcagtg ccagttttta gaaagaattt ctgtgaagtg rtgakgactc 240  
 tggagtctag ctacataaa gagagtgtcg aggagccata tgatcaccaa cctcaacagt 300  
 taaatcaac 309

<210> 19938  
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 <212> DNA  
 <213> Homo sapiens

<400> 19938  
 tgtctactgg gcatgctcca gtcattggaca agggcatgag gtcagaccag gmtttgcatt 60  
 gagaagattg tagaaatgga tgcagtcact gaaggagact gt 102

<210> 19939  
 <211> 96  
 <212> DNA  
 <213> Homo sapiens

<400> 19939  
 cagtgtagtt tagtsgcaaa accaagttca actttcagtk tccctactta ckgatackgc 60  
 atttggcaaa tcttgatckc tcaggacacc aggtgt 96

<210> 19940  
 <211> 63  
 <212> DNA  
 <213> Homo sapiens

<400> 19940  
 tkwaaatctt tcaaragaca taaaaagaca gcagaatcaa gaccccataa ctgckcatcc 60  
 agc 63

<210> 19941  
 <211> 97  
 <212> DNA  
 <213> Homo sapiens

<400> 19941  
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 ttgagctcag gaggctcgaga ccagtctggg caacaca 97

<210> 19942  
 <211> 91  
 <212> DNA  
 <213> Homo sapiens

<400> 19942  
 aagatcagat tgtabncatg ttttgaatag aaragtttta gagattttga ttttgttttg 60  
 ctgtyattgg ggtgtgtyat agtgtgtgtc t 91

<210> 19943  
 <211> 117  
 <212> DNA  
 <213> Homo sapiens

<400> 19943  
 agtaaggcag tgaaccacat aragcatcct tattcttaca ccagttgctc cctccttgac 60  
 atcagggcaa tcattctggt cattttattga acacttatta cgtgcttgcc tctgcc 117

<210> 19944  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 19944  
 tttgtttttt accakktggt ttttgttttg ttttgttttt ttacctagag aagtgaaagg 60  
 ggcatacaaga gcagctggtc ttggccgctc cgctgttgctc tggtta 106

<210> 19945  
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 <212> DNA  
 <213> Homo sapiens

<400> 19945  
 aagctcctgg taagtgccct atataggtat gccatttttt ttaacccttt ataatagtgt 60  
 ttttgtgggg tttttttttg tttttttttt ttttt 95

<210> 19946  
 <211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 19946  
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 tgtgactga agctctgaaa ccttgctgta agtttcaact ctbmagttag ccaagttagv 120  
 atacttta 128

<210> 19947  
 <211> 121  
 <212> DNA  
 <213> Homo sapiens

<400> 19947  
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 gtgatccgcc tgccttgccc tcccaaagtg ctgggattac aggtgtgagc caccgcgccc 120

a 121

<210> 19948  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 19948  
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 gtacatgtgc acattgtgca ggtagttac ttatgtatac atgtgccatg ctgggtgcgt 120  
 gcamccaact aactcgtcat cttagcattag gtatatctcc caatgckatc cctccccct 180  
 ccac 184

<210> 19949  
 <211> 201  
 <212> DNA  
 <213> Homo sapiens

<400> 19949  
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 gccaggtatg gtggcacaca cttgtaatgc cagctacttg aatggctgag acagghaaat 120  
 cgacttgagc mtgggagaca gaggttgcmg mkagctgaga kcacaccacc gtactccagc 180  
 ctgggtgaca aagtgagavt c 201

<210> 19950  
 <211> 168  
 <212> DNA  
 <213> Homo sapiens

<400> 19950  
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 gcaggagaat cgcttgaacc cgggaggcgg aggttgagcgt gagccgagag tgcgccactg 120  
 camntycggg ccctggrgcg acagagtrag cgagactcca tctgaaaa 168

<210> 19951  
 <211> 82  
 <212> DNA  
 <213> Homo sapiens

<400> 19951  
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 acacaaacac atatatgtat at 82

<210> 19952  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 19952  
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 tccacaattc tatattaaca tttttttatt tttttttgag atggagtctc tctctgtcat 180  
 ccaggctgga gt 192

<210> 19953  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

<400> 19953  
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 aatttttatg aagaatggat attggacttt gtgttttcta tatttggtga tatgcttcca 120  
 tagtttttct ttgtagtttg gtawtataat tacwtgagcc amc 163

<210> 19954  
 <211> 92  
 <212> DNA  
 <213> Homo sapiens

<400> 19954  
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 ttgattttga tttttttttt tttttttttt tt 92

<210> 19955  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 19955  
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 tattactgct ttgtgggaag gtcaagtagt cctttgaaaa atttgaagga cacaacaata 120  
 ttamycawgg cacamattha gagtttagag aggactgcaa gacaaaactc cttggcattc 180  
 acacaataat cttccaaaat tgtaccctaaa tcttacttct ttggagtcac c 231

<210> 19956  
 <211> 358  
 <212> DNA  
 <213> Homo sapiens

<400> 19956  
 cttttattct ctgaatgcaa actctttggg atgccaaatt ataagcagca tcagacccaaa 60  
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 gtttagagaca tacctattac cagaatgtaa caggtttaat ctttgggtca aaaaaacttc 180  
 tatecttgcc ttctgatatt agttctggcc ttctttctct agttctaaaa tacttagtat 240  
 aatgatctcc aggcgtgttc atctcttaaa gatgatcttg tatatatctc tgttttgata 300  
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<210> 19957  
 <211> 135  
 <212> DNA  
 <213> Homo sapiens

<400> 19957  
 ttttagggta catgtgcaca atgtgcaggt tagttacata tgtatacttg tgccatgctg 60  
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 ccccttccc cccac 135

<210> 19958

<211> 132  
<212> DNA  
<213> Homo sapiens

<400> 19958  
gaagtaccgcg ttctggttct cattaagggg tgcctcggaa tttgtaaata aaggaacgtt 60  
cagaataagg acagggcctt ccttttcttt agttcattgg tttttaaaat ttctattttg 120  
gctgggcgcs gt 132

<210> 19959  
<211> 55  
<212> DNA  
<213> Homo sapiens

<400> 19959  
taatgttgat actgtaaggg tgtttcggtc cctttaaatg aatcaacact gccac 55

<210> 19960  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 19960  
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tgttttaaag aacataatta tgtttgtaag ttgtatttaa ttgttttttc ttttcttttt 120

<210> 19961  
<211> 138  
<212> DNA  
<213> Homo sapiens

<400> 19961  
taaaactgga aattaactcc aaaagaaacc ctaaactata caaatacatg gaaattaaat 60  
aatctgctct tgaatgatct ttggattaac aatgaagta agacagaaat tattttttga 120  
gctgaataat actggcac 138

<210> 19962  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 19962  
ctttatttaa aactakgagt aagttttaac ttttctatga ataatgggag atctacagca 60  
gacgttgaag ttatttgaag aaaatatgta gatgcyatca gtactaacta atagc 115

<210> 19963  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 19963  
aaaaagccg cgctggcaac ctccgcagcg gtcgcgcgca cccttcaccc ctcttgctgc 60  
ttttgtctgg cacaacctc tcaggccctc cgcgaggccg gccctttttt tctttcactt 120  
tcccmaccg gagagccagg tgccgagaac taggvctcgc tccccttctc tatcccttcc 180

cctgatccat ctsgtctctg ttctccttcc cttttcsgtk cccgaagccg gaaggagcaa 240  
a 241

<210> 19964  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 19964  
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tgccctcccgg gttcaagcga ttctcctgtc tcagcaccct ctcccccgcg tcccccccg 120

<210> 19965  
<211> 59  
<212> DNA  
<213> Homo sapiens

<400> 19965  
ggaaactcgg gcggcggggm acgcgggagg atgtggaacc cgaggcgggg ggagccgga 59

<210> 19966  
<211> 195  
<212> DNA  
<213> Homo sapiens

<400> 19966  
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ccttcagnt tcaaacgatt cttcagcctc ggcctccaga gtagctggaa atataggtgc 180  
ccaccaccac gccca 195

<210> 19967  
<211> 253  
<212> DNA  
<213> Homo sapiens

<400> 19967  
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cggggcagca cgcgagccag agtcacgaca agcccgggtc ccaggctcgc wgctgcctca 120  
aatctcatcc ggtcccaaag ccagctgccc tgcgagagag agcctaccga caccgggcac 180  
gtctgtggga gggckdggct gggagaaagg cactgagcta vwgatgagam gaagcggttc 240  
ctggagcctg cat 253

<210> 19968  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 19968  
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<210> 19969  
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03-13-93 0320

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<212> DNA
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<212> DNA
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<212> DNA
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6653

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<212> DNA  
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<210> 19980  
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<212> DNA  
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ctgggtgact gcattggaag ctgtgcaggg cagaggctgg carggagggg tgggtggtgt 180  
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<210> 19981  
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<212> DNA  
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<212> DNA  
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<210> 19983  
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<212> DNA  
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aaagtgtctg gattacaggc ctgagccact gcacccgccc 220

<210> 19985  
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0951399.02400

<212> DNA  
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<210> 19986  
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<212> DNA  
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<400> 19986  
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<212> DNA  
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ccaatttttt tyatttttag tagaggtggg gtttcacsrt gttagccaag atggtctcga 180  
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<212> DNA  
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aggctgggtct cgaactcctg acctcagatg atctaccgcg ca 162

<210> 19990  
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<212> DNA  
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<400> 19990  
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aaaagytcaa	aaattagctg	ggcatgggtg	tgcattgcctg	ttatcccagc	tactcgggag	180
cctgaggcag	aagaatcact	tgaacctggg	aggcagaggt	tgcggtgagc	caagatcgcg	240
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<210> 19992  
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 <212> DNA  
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<400> 19992						
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attgtttatg	tcctttgccc	accttt				146

<210> 19993  
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 <212> DNA  
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<210> 19994  
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<400> 19994						
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<210> 19995  
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 <212> DNA  
 <213> Homo sapiens

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ggaatggtaa	tggaatggaa	tggaatggaa	t			151

<210> 19996  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 19996  
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<210> 19997  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 19997  
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 actccagcct gggcgacaga gcaagactct gtctcaaaaa aataaataaa aatttaaaaa 120  
 tttaaaaaag tccaaataat tgggggatga tttaaagatr gctatatgag accttgttca 180  
 ggggtacc 188

<210> 19998  
 <211> 147  
 <212> DNA  
 <213> Homo sapiens

<400> 19998  
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 gattttctca gaagtgtgc cctgctc 147

<210> 19999  
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 atcacaagca ttcctaaaca ccaacaacag acaagcagag agrsaaatta ggaatgtact 180  
 cccatgcaat attgccacaa aaagaataaa acacatagga atacagctaa caabnnaggt 240  
 gaaggaacaa tccagcctgg gtgacagagc gagactccat ctcaagaaaa aaaaaaaa 298

<210> 20000  
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 cctcagcctc ccaagtagct gggaccacag gtgtgtgcct ccatgcttgg ctaactttt 180  
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<210> 20001

**SECRET**

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6659

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tgccccccca 190

<210> 20007  
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cagagcaaga ctccatctca aaaaaaaaaa aaaaaaaaaa 98

<210> 20009  
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<212> DNA  
<213> Homo sapiens

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<210> 20010  
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<212> DNA  
<213> Homo sapiens

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ctggtcttct gaacggccct cgcctcttca ccaccagggc cgcccaccga a 171

<210> 20011  
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<212> DNA  
<213> Homo sapiens

<400> 20011  
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 <212> DNA  
 <213> Homo sapiens

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<210> 20013  
 <211> 357  
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 aagatatttc aggcttctta tgaaggaaac agtaaacctt ttacaaacta tattttccaa 240  
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<210> 20015  
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<400> 20015  
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<210> 20016  
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<212> DNA  
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<210> 20017  
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<210> 20020  
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ctcaaaaaaa agaaaaaawa aaa	263

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gtagagcacc gaaaaccacg aggcaa	86

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 <212> DNA  
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ggcaatggga atgagrrcaa gagagtagat tcaaggga	98

<210> 20024  
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 <212> DNA  
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<212> DNA  
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<210> 20031  
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aggctaagac aaaccgcga ka 82

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<213> Homo sapiens

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aaacaaagat tgctgagggg ccaaatttta aattgtgtat aattttaatg acttcagatt 120  
taaataagctg catttggtt atggagtctt ttgagcagca tggttttaaa aaggtttttg 180  
ccaagtgggg ttctaattga caccttc 207

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<213> Homo sapiens

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ttgtcattca tccatctgtc cattcattcc acaggcattt tctgagaact ctcagaggga 120  
gggg 124

<210> 20037  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 20037  
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taatccaggg attttgggag gccaagacag gagtatcact tgagcccaga atttgagagc 120  
cagcttgggc aacatataaa gaccagctc acaaaaaaaaa ctatttttaa agacaggcat 180  
ggtggtgtgc acttgtggtt tcggctgctt gggagattga tgggggag 228

<210> 20038  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 20038  
 aaatttagctg gctgtggtgg cacatgcctg taatcccagc tggggcagga gaatcacttg 60  
 aactcaggag gtagagggtg cagtgcagca agatgcacc actgtattcc agcctgggtg 120  
 acagggcga 129

<210> 20039  
 <211> 155  
 <212> DNA  
 <213> Homo sapiens

<400> 20039  
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 tcaaggctac agtgatctat aatcatgcta tagcactcca gccagatga cagagcaaga 120  
 ctctgtctct taaaaaaaaa aaaaaaaaaa aaaaa 155

<210> 20040  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 20040  
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 ctttttagttg tcaatgtgct gacttgtgta tctgtgtctt tacttacact gcttgctcag 180  
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<210> 20041  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 20041  
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 gttttgaaac tggttttgaa aaggtctgaa ctttggggaa gc 102

<210> 20042  
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 <212> DNA  
 <213> Homo sapiens

<400> 20042  
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<210> 20043  
 <211> 52  
 <212> DNA  
 <213> Homo sapiens



<210> 20049  
<211> 82  
<212> DNA  
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aggctaagac aaacccgcca ga 82

<210> 20050  
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<212> DNA  
<213> Homo sapiens

<400> 20050  
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ggggtgtacc atcaccatcc ccatactcac catcactatc ctcattatca tcatcagtct 120  
caccctcacc gc 132

<210> 20051  
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<212> DNA  
<213> Homo sapiens

<400> 20051  
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tgtgactttg ggtaagacag tktatgtctg ctttgcccat ctgtgcaatt tagttcttca 120  
aagctgcaag gaggcaca 138

<210> 20052  
<211> 57  
<212> DNA  
<213> Homo sapiens

<400> 20052  
tcttatctgg aaagacttca tttctccttc acgtataaag gagaaatgaa gtctttc 57

<210> 20053  
<211> 366  
<212> DNA  
<213> Homo sapiens

<400> 20053  
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cccagttcta tatttttgct ttggttgccgt gtgctttcga agtcgtatac aaaaaaaaaat 180  
tgccaagacc aatgtccttg agcattttccc caatgttttc ttctagcagt ttcattgatgt 240  
caggcttag attcaagtct ttaattcatt ttgatctgat ttttttgtgt atgggtgagag 300  
attcagggtc tacttttcatt cttgtgtaca tagctcncta gtttttctag cactgkttct 360  
tgaaaa 366

<210> 20054  
<211> 137  
<212> DNA

<213> Homo sapiens

<400> 20054

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<210> 20055

<211> 101

<212> DNA

<213> Homo sapiens

<400> 20055

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<210> 20056

<211> 346

<212> DNA

<213> Homo sapiens

<400> 20056

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ccttctgagg	gtactatggt	taacaaaatc	aaactcattc	tttttcaagg	tattctgttt	120
ctagaaatta	ctgaagagta	aagggaagtt	gtacatacca	tatttgattt	tcagcacctg	180
aatcagactt	cgaaagagct	gtgcaattac	aaacagaaat	cacatctcat	catttttagta	240
cttcttaaag	ctataacaat	tttaaaaata	gatgatggag	aagaaaaggc	tcctacactc	300
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<210> 20057

<211> 376

<212> DNA

<213> Homo sapiens

<400> 20057

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ctggtgatgg	tggagaggag	taggcagatc	aagagatact	taggaaatgg	agttggcagc	180
ttttggttac	actggtctgg	ggagggggcc	gtgagagatt	agaagtcag	gatgactccc	240
aggatggttt	ttaaatacaca	gtgggcttag	aggccatagt	gtgatgtcat	ttgctgnrgt	300
aggcaacggt	ggatcaagtt	gagttgtggt	ncttgagtaa	gggaatcgag	atgtcagctc	360
aatagctggg	gtatct					376

<210> 20058

<211> 222

<212> DNA

<213> Homo sapiens

<400> 20058

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aaaacacaga	tttgagcctt	acagatccag	gtaataagg	caaaatgttt	ataaataagt	120
tgaagaccg	gcaccagtgg	agttgcaata	cagtgatgga	aggaagcatt	gggttttcat	180
gatacaccat	ggggaactat	ttctctaaat	ctcacaagta	aa		222



<210> 20059  
<211> 209  
<212> DNA  
<213> Homo sapiens

<400> 20059  
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tgtgcttcca ccaactgtgg acaactgtgc tggacggacc gtcacactga tggcagagcc 180  
aaccacgacc atcccagaag caaccccg 209

<210> 20060  
<211> 64  
<212> DNA  
<213> Homo sapiens

<400> 20060  
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ctct 64

<210> 20061  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 20061  
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ccaattcgtc tgagatttca cagaagacat gagtactcat cgtgatcttg gggaagggat 120  
aggtttgagg ttggcaaaga attgggaaca ttgggtctgg tggggaagaa agtgtcagtg 180  
aaaaccagag gtgggactga tcctccatgg gatactctat gtgaatgcaa tggagagcct 240  
gagtcggggg agagatagc 259

<210> 20062  
<211> 95  
<212> DNA  
<213> Homo sapiens

<400> 20062  
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aatttataat aaaaatactt tacctaccct gatgc 95

<210> 20063  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 20063  
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taggagacag agcgagactc tgtcttaaaa aaaaaaaa 98

<210> 20064  
<211> 432  
<212> DNA  
<213> Homo sapiens

00430"666E4560



<400> 20064  
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taccgggggc catctgcca actgccccag actctggcag tggggcccc gatggcagt 180  
ggcacctccc cgtgaaacct gccaagctgg acgccacagc tctgcacgac gacactttgg 240  
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tccctgagga acactacata agcgaggctg tggaagatgc tcccagctac agaggggtamc 360  
gggatgctg caccattact gatgtgtgca cagcaccgat cttccggaag tcgagatcat 420  
tagcctgctg ga 432

<210> 20065

<211> 181

<212> DNA

<213> Homo sapiens

<400> 20065  
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aagtgaat atgtatatat taatatgtgc agttacttga atcatttagt tgttttcttc 120  
actttactac agcctacata attggacttg gtattttaat gtaatatggt atgcctattt 180  
a 181

<210> 20066

<211> 182

<212> DNA

<213> Homo sapiens

<400> 20066  
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atcggtcct gaggtctctg cattcttcac gtagttctca agccttggtt ttcagctcca 180  
ac 182

<210> 20067

<211> 452

<212> DNA

<213> Homo sapiens

<400> 20067  
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tatgkgdgtt ggtgggsbkg taccatctag gttttgtgta agtacactct accatgttta 180  
cacaacaacg aaattgccta aggactcata tcttagaacg tatcctcatc attaaagccac 240  
acagactgta attgttacta gcataggtaa ctttgtgatg cttactgtat gccatankmc 300  
gtgctaatac ttctgccttc accataatcc ccatttttat aaggaaattg acataaagag 360  
ttgtcccatg gtcandgcac tgctgmcytg accttgggtc catctgctgc cagtgttctt 420  
gcttaaaacta agctgtgctg tgcggaggc ac 452

<210> 20068

<211> 163

<212> DNA

<213> Homo sapiens

<400> 20068

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 gratgccmac catkgacctg aaagaaggta gggtagcagc aga 163

<210> 20069  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 20069  
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 ggaatagaat ttcattggaa atgtaaaaca ctttcccaac aatgggtcatg actttcttct 120  
 gtttttgaga agagtttcat atgctggacc acatttttagc ttttattgtt ttttttttcc 180  
 cattgyccaa aaagttaagc aacaagtttt acgtgactac aacctggagt tctgcaaaga 240  
 aggtaatat tacttggyc tttgactaaag ttatctcccc attcwatggt tamattttat 300  
 tttggrctww ggggmytcca aaaccgtttk ggtaaagang agagtwtatg raaatttctg 360  
 ycaaatttca ctcaaaagta atttcatgag aaatca 396

<210> 20070  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 20070  
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 gcactgtgaa agcattttaag ttttttcaag atcacaaaat ggctcttctt cagatggcaa 120  
 cagtgaaga agctattcag gcctaa 146

<210> 20071  
 <211> 120  
 <212> DNA  
 <213> Homo sapiens

<400> 20071  
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 cttttggatt agattatata aaatcagaag aggtagaacc aggccccaag cactcctggt 120

<210> 20072  
 <211> 85  
 <212> DNA  
 <213> Homo sapiens

<400> 20072  
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 cagggaaagc ttccgacgcc tccat 85

<210> 20073  
 <211> 140  
 <212> DNA  
 <213> Homo sapiens

<400> 20073  
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140

<210> 20074  
<211> 274  
<212> DNA  
<213> Homo sapiens

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ataacacaaa taatttttagg atttactcat aaatagtatt aaatatagca gaacagctct 120  
aacttgctct ctatgaccac tgacagatta ttttaatact ctagtittca tttccttatt 180  
tggaagaaga tagacttgga ctaaatggc tctaaattgt ctttaaattc tgtcagcttg 240  
taagtcttca gtttggtcaa atcagctcta ccac 274

<210> 20075  
<211> 351  
<212> DNA  
<213> Homo sapiens

<400> 20075  
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acagtttggt ataattkctg tkcttttacg tttgctgagg agtgctttac ttccaactat 180  
gtggtcaatt ttggaataat tacagtgtgg tgctgagaag aatgtatatt ctgttgattt 240  
ggggtggaga gttctgtaga tgtctattag gtccacttgg tgcagagctg agttcavtsc 300  
tgatatacct tgtaaacttt ctgtctcatt gatctgtcta atgttgacag t 351

<210> 20076  
<211> 67  
<212> DNA  
<213> Homo sapiens

<400> 20076  
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tttttt 67

<210> 20077  
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<212> DNA  
<213> Homo sapiens

<400> 20077  
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gacagacttc atggtacaca acttcaacag attttctgtc atattctcac cagcacatct 180  
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gtgactctca gagatttatg ccaaaattgc atacaattgt tttctgaatc ataaacttgc 300  
tatttttctg cctatgtgtg ctactttcag tttgtttctc atcaacattt tgactctcag 360  
aagagctcca tttgcccttt ctctcttta 389

<210> 20078  
<211> 144  
<212> DNA  
<213> Homo sapiens

<400> 20078  
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cagagagtga aattaacctg accc 144

<210> 20079  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 20079  
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cac 183

<210> 20080  
<211> 89  
<212> DNA  
<213> Homo sapiens

<400> 20080  
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cggctgggct gctggtgcga ggagccgac 89

<210> 20081  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 20081  
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atgagagatg gaggaaaaac ttgattatgt cttccatggc atatttactc ttactttact 180  
tcgtgccaaa tcaaatgaaa caagccgcct a 211

<210> 20082  
<211> 256  
<212> DNA  
<213> Homo sapiens

<400> 20082  
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gccgccaggg actgggccct tagggakgag gaggcsmasaa gatggcgagc gacccagtg 120  
ctgccygaca gggwacgtgsr satctggrag rtcaagaagc tcattaagag cttggaggcg 180  
gccgcgggca atggcaccag catgatatca ttgatcatc ctcccaaaga ccagatttca 240  
cgagtggcaa aaatgt 256

<210> 20083  
<211> 119  
<212> DNA  
<213> Homo sapiens

<400> 20083  
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tttgggccct gtgtcatgtg acttctttct ggggtccatt attcttgggt acccgacct 119

<210> 20084  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 20084  
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gcttcccaca cagtacatca ggaaaactta cagggaata tttttaactt ggggcaggaa 120  
agaaggagc agcagagaat tgactagata tagcacctg 160

<210> 20085  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 20085  
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cttagacca aagaaaagaa cgatgtagaa tattatagtg aaaccaaga 110

<210> 20086  
<211> 97  
<212> DNA  
<213> Homo sapiens

<400> 20086  
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aattaggtaa ataatggatt cctataatgg gagcacc 97

<210> 20087  
<211> 150  
<212> DNA  
<213> Homo sapiens

<400> 20087  
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agttctgttg gtggtgagac gtgggcactc 150

<210> 20088  
<211> 55  
<212> DNA  
<213> Homo sapiens

<400> 20088  
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<210> 20089  
<211> 80  
<212> DNA  
<213> Homo sapiens

<400> 20089  
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ctagtccaag gacatagtaa 80

<210> 20090  
<211> 382  
<212> DNA  
<213> Homo sapiens

<400> 20090  
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ctaaaacatt tagagaaaaa aaaaatttta aatacagtat aaccatttac atagggttta 180  
cattgtaggg tattgtaagt aatctagagg tgatttaaag catatgagag gatgtgcata 240  
ggttatatgt aaatactatg ccattttata taaaggmctt gagcatctga gaatttwgnw 300  
atcatcgggg gtctawbnr ccatttccct gtggatacag agtgatggct gtaatttctca 360  
aagaaatgca tggctaagca ac 382

<210> 20091  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 20091  
aagtgtctggg attacaggtg tgagccacca cgcccggcct cttgctcgat ttctaaaaac 60  
tctctcaatg gctagagatt cccacacct ctcactaaag ggcagc 107

<210> 20092  
<211> 120  
<212> DNA  
<213> Homo sapiens

<400> 20092  
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cactctttta gggcatttcc tataaatttg tttactcttt ccttttccta aggccccagc 120

<210> 20093  
<211> 125  
<212> DNA  
<213> Homo sapiens

<400> 20093  
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ccacc 125

<210> 20094  
<211> 67  
<212> DNA  
<213> Homo sapiens

<400> 20094  
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aaaaaaa

67

<210> 20095  
<211> 84  
<212> DNA  
<213> Homo sapiens

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tgccatgctt ggatttanng gaatttgaa aggatgttaa accttggcat gttgaaacaa 180  
cagaagctgc cscatg 196

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tgccatyccat tgsccttggtg atattctatt accttgtgat gtatgtgac tctgt 175

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<212> DNA  
<213> Homo sapiens

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atctcctgac ctccctgatc cgcccgcc 148

<210> 20099  
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<212> DNA  
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<400> 20099  
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<210> 20100  
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<213> Homo sapiens

<400> 20100

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caaagaaaat	gtgggggaar	gcmaccgcaa	cccctgtcac	tcctgagatg	cagagagtca	180
aacgcaatct	tc					192

<210> 20101

<211> 449

<212> DNA

<213> Homo sapiens

<400> 20101

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ttcaaatagt	cctccccamc	tcaactgtma	ccactgctaa	gggactctat	ccattgagca	180
catttttcta	aggccctgct	gtctgccgag	gagcgccaag	aagatgtcac	ttgtttacac	240
acgaactgcc	acatccccaa	gctccgttct	tgcccctcgt	gtcctaggcc	caaccagcc	300
tcccagacct	cactttcccc	atcagcaata	cctgggtgtc	tcncaccttg	aaannnctct	360
tggctcctgc	cggtttcctg	ctcaggctgg	aattgggaaa	atatgcaggt	gacatttggt	420
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<210> 20102

<211> 100

<212> DNA

<213> Homo sapiens

<400> 20102

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<210> 20103

<211> 340

<212> DNA

<213> Homo sapiens

<400> 20103

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cacggtgcag	accaggtgtc	actggacgct	ctggcchag	actgtttgct	caaggggccc	180
aggagtgggg	tgggggggtg	ccaggaggcc	cagggaccag	tcccagctca	gttcctccct	240
gactgtgtga	ctttggtgga	agatttcatg	cctcagtcctc	ctcctcgagg	tagtgggtgc	300
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<210> 20104

<211> 260

<212> DNA

<213> Homo sapiens

<400> 20104

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gaagtttctc	gaggcctccc	cagccatcct	gaactgggct	tcccctgcac	ttggtttttc	120
attcttctgt	cgctgtcdgc	catgtgaaga	aagaagtght	tgcttcccct	tccatcatgg	180



ttggacgttt cctgaggcct ctccagtcac gctgagctgc tggattgcaa tggcgatcct 240  
ggctcacttt aacccccgcc 260

<210> 20105  
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<212> DNA  
<213> Homo sapiens

<400> 20105  
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accatacccg cctgtcacct tgccaaggct ggccaatgtg tgttttgtca taggctgtca 240  
tggaggccat gatggaggaa aaggaaaagg gaggcagatg ttgaggcccc agaggccaca 300  
gtgagagcag tttagttcct ggggtgccag gactaagggg gcattgcctg tccccggat 360  
tacagtdagc cac 373

<210> 20106  
<211> 61  
<212> DNA  
<213> Homo sapiens

<400> 20106  
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<210> 20107  
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<212> DNA  
<213> Homo sapiens

<400> 20107  
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<210> 20108  
<211> 303  
<212> DNA  
<213> Homo sapiens

<400> 20108  
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agacagtccc ctgggaagaa agagaaagga aatgggctat tgccaaagga cagggtggcg 120  
tagatggctg tgagggtgam ctggktgagg gaagggttgg aatgagctgc tgcaggaggc 180  
caagggatgc ctgggctggg ctgggctggg ctggcttagg ctcaggattg cctggggaca 240  
gtaggagcat ggcaggagct ggggcagggt catagcagtg cagtgggaag ggacagagga 300  
gct 303

<210> 20109  
<211> 76  
<212> DNA  
<213> Homo sapiens

<400> 20109

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cgcgcgaccc caacta 76

<210> 20110  
<211> 164  
<212> DNA  
<213> Homo sapiens

<400> 20110  
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tttcagaatg caacaataga ttccattaat atagactcaa gatg 164

<210> 20111  
<211> 432  
<212> DNA  
<213> Homo sapiens

<400> 20111  
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ttttttctct gcttggcagt taagagttca acatggggct gggcggggtg gttcacgcct 180  
gtaatcccag cactttggga ggcttaggca ggcgttcgag accagcctgg gcaacatggc 240  
gaaaccctgt ctctacccaa aatacaaaaa ttggccaggc atagtgtctg atgctgtgg 300  
tcccagctat gcaggaggct gaggcggggc aatggctgga ggccaggaag tggaggctgt 360  
ggtgagccgt gattgtatca ctgcactcca gcctgggtga caggagacc tgtctcaaaa 420  
tcaaaggagt tc 432

<210> 20112  
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<213> Homo sapiens

<400> 20112  
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aaactcagaa gtagaaaact tgaataaacc tatatcaagt aaataggtta aatgagtttt 180  
tgaaaagata cccacaaaga agagcct 207

<210> 20113  
<211> 141  
<212> DNA  
<213> Homo sapiens

<400> 20113  
gcctctccct ataggtaagc caaccagcag tatgacctcc cctctgggtg ttaactcctc 60  
ggcctctgta atcaagacag attcttatgc aggcccagac tctgctggtc cgcttctcaa 120  
aagttctctc attaccccaa c 141

<210> 20114  
<211> 141  
<212> DNA  
<213> Homo sapiens

<400> 20114  
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 atgtaagggt tggtgagtaa accaggacta tagcagggaaggaggtaaa aagccttatc 120  
 tagctagcct gttcttttgc c 141

<210> 20115  
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 <212> DNA  
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<400> 20115  
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 gga 123

<210> 20116  
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 <212> DNA  
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<400> 20116  
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 ttttgcaaac ctgagctttt cccctgcctg cagttgagcc cgaa 164

<210> 20117  
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 <212> DNA  
 <213> Homo sapiens

<400> 20117  
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 gatctgtgac ttcaagtttg gaccgtggaa gaamcagcac tttcaaacc acaact 116

<210> 20118  
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 <212> DNA  
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<210> 20119  
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 <212> DNA  
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<400> 20119  
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 agtgtattag tctgttctca tgctgctatg aagaaatacc caaaactggg taatttataa 180  
 agaaaagagg tttcatttac tcacagttcc acgtggcttg ggaggcctca ggaaacttag 240

aatcatggca tc

252

<210> 20120

<211> 249

<212> DNA

<213> Homo sapiens

<400> 20120

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agtcagcctc	ctccctccat	gcctctctgg	tcagtgtgcc	ttaggggtggc	ctctcactcc	180
caccactctg	ggcccccttg	gggaggactg	gggarggggc	cgtgggraar	ccctgacgct	240
ggaacctk						249

<210> 20121

<211> 189

<212> DNA

<213> Homo sapiens

<400> 20121

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ggaaaaacag	gacaaaatac	aaaattgtct	gtgcaaagag	atcctdcatt	ctttatcaat	120
taaaagtagc	catataccca	ttcattgacc	cttaaaagca	tgaacgtgca	tgggggaaga	180
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<210> 20122

<211> 123

<212> DNA

<213> Homo sapiens

<400> 20122

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cct						123

<210> 20123

<211> 171

<212> DNA

<213> Homo sapiens

<400> 20123

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caatcactgg	gaaasccaaa	agmcccaarg	wtcacaacct	caggggcatc	ctcaaagacc	120
aagacogctc	ataagctaca	cagagaactg	ttcccctccc	agccaccgcc	t	171

<210> 20124

<211> 102

<212> DNA

<213> Homo sapiens

<400> 20124

gaaaaggaaa	ataaagagct	attaaaggat	gtggaggtag	tgagacctct	agaaaaagag	60
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<210> 20125  
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<212> DNA  
<213> Homo sapiens

<400> 20125  
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gttttactgg taaaggaaat cctctgatgg acaggtcaga gtgaaggaag gttgtgctgg 120  
taagacatct ctgacgaaga gccatggatg ctttccacaa aatgtcacct cgctgcacta 180  
aaggatgatg aatcctaata attaaaggaa ttgtttcagc tgatttaaatt ttataatgaa 240  
ctcttttgta ataatgtata cgtagaacat gagtctctcc tcc 283

<210> 20126  
<211> 174  
<212> DNA  
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<400> 20126  
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caagggcggg ctgcttgccg ctatggctgg cagtcaggac atattcgatg ccatcgatg 120  
ggcgatgag aggtttcatg gggaagggtg tcgggaaggc tatgaagaag gccg 174

<210> 20127  
<211> 93  
<212> DNA  
<213> Homo sapiens

<400> 20127  
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gtggttagtc gggctaacaa gcgcasgtcg cac 93

<210> 20128  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 20128  
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tgatctcttt gctgaattaa tgagttctta acatgtggac ccaactgcct gtgtgagatc 120  
tgtgtcttaa aacttactgg aatggaa 147

<210> 20129  
<211> 392  
<212> DNA  
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ccatcggtgtg caccttccag gaatacgcag ggcgctgtgg ggacaaatac aagctctgcc 120  
aggcggastc aaggagctgc tgcagaagga gctggccacc tggaccccga ctgagtttcg 180  
ggaatgtgac tacaacaaat tcatgagtg tctggacacc aacaaggact gcgaggtgga 240  
ctttgtggag tatgtgctgt cacttgccctg cctctgtctc tactgccacg agtacttcaa 300  
ggactgcccc tsagagcccc cctgctccca gtagcctctg ctccaggggg tgcgctggct 360  
gtcggggggt gggcatgtct cccacgcccc cc 392

<210> 20130  
<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 20130  
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tctcaaaaat aggattcttg tcagtgtatg catgstgagt aagtmacctt tctggctcta 120  
atttctgggt ggccatctgt tgtccagctc tgctgccaac tggactttcc gaaagccatg 180  
tcaact 186

<210> 20131  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 20131  
acacagaacc tcctctccta cgggtgctgaa gcctgcagca gggcaggatg ggcaggagag 60  
cagagccgcg gaggctgcgg cgcgggtgaa gagcggcgsg taaattcccg cagcaagatt 120  
gttccgcgcc cgcagcccct ggactagcag gatccccc 158

<210> 20132  
<211> 66  
<212> DNA  
<213> Homo sapiens

<400> 20132  
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ggcgct 66

<210> 20133  
<211> 280  
<212> DNA  
<213> Homo sapiens

<400> 20133  
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tagaattaca ttttaatact gaggatgcag actcttgcac tttttttttt taaagacgga 180  
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<210> 20134  
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<212> DNA  
<213> Homo sapiens

<400> 20134  
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gctttgamca csagcacctc tctatgaaga aaagagtgtg ttgtgaacga agtcagaatt 180  
tcctgtgttc cctttgccgc tcctggagtt cactgggtgac ttgatggagg gtgagctcta 240  
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301

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<212> DNA  
<213> Homo sapiens

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aacattgttt ggagtccttt gatctaccgg ttctcttaag tacgtgattt cgtgaagata 120  
gcaatggktt atggcctttt tgttctgtta tttttattgt gtaacgtagt gtagtgggta 180  
agagcttgga ttttgagta acttggttc taatccttta aaatggggct gatatacctg 240  
cctcatattc aatgaaatat tgtgtgtaca gcacttagta attaatgaaa ctggtaatta 300  
ttagcttagt tactgtaatg ataatttggg acca 334

<210> 20136  
<211> 190  
<212> DNA  
<213> Homo sapiens

<400> 20136  
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tcctttaaat gtagaacggg taaacatgaa acagttccat gcttgaattg ttaagtatct 180  
agggggtatt 190

<210> 20137  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 20137  
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gcttgggcac tcagtctccc tggcgagcga cgggcagaaa tctcgaacca gtggagcgca 120  
ctcgtaacct ggatcccaga aggtcgcgaa ggcagtaccg tttcctyagc ggcggactgc 180  
tgcagtaaga atgtcttttc cacctcattt gaatcgcctt cctgnd 226

<210> 20138  
<211> 368  
<212> DNA  
<213> Homo sapiens

<400> 20138  
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catgaaaagg cagatccttc ccagtttgaa cttttaaaag tattagggca gggatcattt 180  
ggaaagggtt tcttagttaa aaaaatctca ggctctgatg ctaggcagct ttatgccatg 240  
aaggtattga agaaggccac actgaaagt tgcgacagag ttcggacaaa angggaacgt 300  
gatattcttg tagaggttaa tcatcctttt attgtcaagt tgcattatgc ttttcaaact 360  
gaagagga 368

<210> 20139  
<211> 235  
<212> DNA

<213> Homo sapiens

<400> 20139

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caagtatctt	agggtagtag	gtagcctggt	ggttttagaa	gtggttggtg	atttttatgg	180
agagagtttt	cctaagtggg	ggtttatagg	tggtatcaga	tattattagg	gcaac	235

<210> 20140

<211> 159

<212> DNA

<213> Homo sapiens

<400> 20140

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aaccctatgc	acaaaaatag	aaaaattgcc	aaacaagcac	agctggcatt	ttggcttaac	120
gtgaattaga	aaaacttaaa	gaagggaaaa	caaaaccct			159

<210> 20141

<211> 155

<212> DNA

<213> Homo sapiens

<400> 20141

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agatatctta	gggacatacc	aacatcttcc	ctttctgcta	atttcatgct	ccaagatat	120
ggcaaaaaaa	aaaatcataa	aaagtgcctt	tgccc			155

<210> 20142

<211> 162

<212> DNA

<213> Homo sapiens

<400> 20142

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ttccttgcc	atgactcttc	tctttctagg	gtttctgtgt	ttcagaaaga	tatggccatt	120
ggtaaattaa	agaagaataa	catcatgatt	ttagccagag	ag		162

<210> 20143

<211> 336

<212> DNA

<213> Homo sapiens

<400> 20143

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aataaataag	cagaactaag	aaccgatatt	warggattcc	agktwaarat	tggggagttc	120
attttaccat	ccccatcagc	ataacttcta	cctcagctat	ggctcagtgc	aggagatgcc	180
ataaagaaga	cctttatttc	tgaggtagca	tcagttatca	atcaatagat	ttttttgctt	240
aagcatcatg	gaaccaatga	attatccaag	taaaagagga	actgaaactc	atctatttag	300
ggcccagact	ttaaagatga	aaacctaarn	hcacac			336

<210> 20144

<211> 88

<212> DNA



<213> Homo sapiens

<400> 20144

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tattaaaagt aacacactta ctgccccca	88

<210> 20145

<211> 193

<212> DNA

<213> Homo sapiens

<400> 20145

tgatcccat accctcaaaa tattaataga gacaatcgtg aggactataa taaagaaatg	60
tgcaataagc tctgggggca cagaggggaar gaatctattg gctgaggagt tgaagaaatt	120
gtttggacac tcagtattgc ctgagctcaa aactgaagga tgaataaatg ccacatgacc	180
ttggggcagg ggt	193

<210> 20146

<211> 212

<212> DNA

<213> Homo sapiens

<400> 20146

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ggtttgatc cattgctagg aagctagtgt ggatcttttc amccttggtt tatcatatta	120
cctgtatttt ctggttcctt ctcatttctg tagactgttt cttcaaattg ttcttgaatt	180
tattcttgat ttgacttttt ttttttwaaa tt	212

<210> 20147

<211> 127

<212> DNA

<213> Homo sapiens

<400> 20147

ttaaatacaac ttaatttgag tgagaattga aaactgattc aagtaagttt gagtatcaca	60
atggttagctt tctaattcca taaaagtact tkgggtttta cagtttataa tctgacatca	120
ccccagc	127

<210> 20148

<211> 364

<212> DNA

<213> Homo sapiens

<400> 20148

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ctctgtgtta catggaatca gatggcaatg agkttgtacc stgtgggggt tcatgctctg	120
ctgtgttgtc ttctcatggt gagcttttct gtgcccttat ttcattccagc tctggtttct	180
gtgtttcatg ttatttctcc tagcctctgt aaagtctgca gcataactaat aatgctctgg	240
ctttctgatt aanagtaaat ggcttactat cagcaccctt ggcttgaggg ccagctcaca	300
tgtaatccct tataggrttc caaagttgtt aaataaatgc aattcttttt gkttttgtca	360
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<210> 20149

<211> 142

<212> DNA

<213> Homo sapiens

<400> 20149

aaggtggaaa	gtctcgtcag	aatacaagga	aatgaaatga	agagatattt	ccagcaagaa	60
cagacaaaat	ttaggaaaca	attarittara	taggagcaca	gawaatcatt	ccagtcttgt	120
ccttcaagtt	tttttttttt	tt				142

<210> 20150

<211> 385

<212> DNA

<213> Homo sapiens

<400> 20150

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ttggctgtac	atgaaacaak	gkrhgaagca	ngtctgtgaa	garctataaa	gatatatgat	120
atttccacaa	acttgggggt	aaacctaata	atcswaaaag	cgactgctgg	ccctaataag	180
cctgagagtg	gatttgcaga	agacagtgtc	gctcggggcg	aggggtgtgtc	agacctccac	240
gaagkntctc	cctgaaggag	cggatggcga	ggtaccaggc	agctgtttcc	aggggtgact	300
gccgcagctt	ctctgctaata	atgatggaag	aatcagaaat	gtgcgcagtg	cctgggtggtt	360
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<210> 20151

<211> 386

<212> DNA

<213> Homo sapiens

<400> 20151

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aaatgttaag	catctcaaaa	agtggtaacc	agagtagtat	aacaagcttc	cctctattta	180
gccttaagct	tcaataatta	tcaacctgcc	gggtgcggtg	gctcacgcct	gtaatcccag	240
aactttggga	ggccaaggca	ggcgatcac	ctgaggtcag	gagttcatga	ccagcctgac	300
caacatggag	aaaccccatc	tctactaaaa	atacaaaatt	agctgggggtg	gtggcgcagtg	360
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<210> 20152

<211> 254

<212> DNA

<213> Homo sapiens

<400> 20152

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aatatcactt	aaaaaaaaata	ctaaaaaaaaa	mcccaaaacta	ctttatttcag	gtataattat	120
acctgrataa	aatgaaacca	ttttaagtac	atagtttgat	tcattttgat	agatgtatac	180
acctatgtta	ctgctaccac	aatagataca	gatatagaac	tttccatcag	tcccaaaaat	240
tctcttctgc	ccaa					254

<210> 20153

<211> 90

<212> DNA

<213> Homo sapiens

<400> 20153

cttgtaaatt taagttcttt gtagatctgg atatcagcca tttgtcagat gggtagattg 60  
caaaaatttt cccccattct gtaggttgcc 90

<210> 20154  
<211> 175  
<212> DNA  
<213> Homo sapiens

<400> 20154  
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tgggtccagct gtatcacgtg ctccatccaa gaatggccag tcggctcaag gggccaagga 120  
tcaggctgct gaggaataa atttaaatcaa ggtctttgca aaaacagaag caaag 175

<210> 20155  
<211> 251  
<212> DNA  
<213> Homo sapiens

<400> 20155  
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agcatggagc ccagccctcc cagccttca ttcaaaaagg ggctcccca gcgcaaaccc 180  
aggacctctc agactgaagc cgtgaactct tgagagaaaa tccagttggc ctctctctc 240  
tatccacacc g 251

<210> 20156  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 20156  
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cattagcact ttacgtcttt cctattctag ccgttggttt tgtttgtatt ttttattatt 120  
aatgacatat ttagtcttca gatataattat tttaaaggca ccaact 166

<210> 20157  
<211> 137  
<212> DNA  
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<400> 20157  
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gcgaccgatt tgtctgttca tctgtttact tttgagcact tgtgaaagaa gaagggtaga 120  
atgagagact gaagtag 137

<210> 20158  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 20158  
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tttctatgta taggatcaca acatctgcaa attgrgrtca ttttgtttty ctgttcaaaa 120  
atactttttc tcatgtttat ttttaaaaga taatttggcc aggtgtagaa ttgtaggtga 180

ctt 183

<210> 20159  
<211> 222  
<212> DNA  
<213> Homo sapiens

<400> 20159  
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cttgcagaac cctataactaa catgtaatgg ggagagggtg ggggcagatg agtagagaaa 120  
cagattcaag cctcaagctt ccaaagcatt tttataaatg gaaaatcctt aaattatgaa 180  
acagcttgat atagtgtcct ttttttaaaa ttcagaactt tt 222

<210> 20160  
<211> 188  
<212> DNA  
<213> Homo sapiens

<400> 20160  
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gaaatgtttt tcaattattt gctcttctca tactgtttatt ttaaataaat tttaaaaatg 120  
ttaaggaatc atttcacttg agttaaccat gaggtctcat ttaaaaacat ttaaaaggag 180  
gacacatc 188

<210> 20161  
<211> 452  
<212> DNA  
<213> Homo sapiens

<400> 20161  
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ttctttcaaa gcatgtattt tctgaagaaa ctttagaacc acgtttattt taaaagaacg 120  
aattggagaa aacaaatcga ttaatgctca cagcttcttg ggtgctttct cacgggtaaa 180  
gccatggcat ccgtaccttc cattgggttg cttctagcca gaaatcagta ttatcgaaag 240  
tccagtgttt cttcagttag ttctttaact agctctgatt ctgttaactt catagatgac 300  
gacaaaccac agcaagggtt gcctgaagtg gcagaatcca cctgggtggt taawygtttt 360  
tccattctga acctgtgctt tcaaagtgtg gaataaaaagw ytgtctgcta ctggattaca 420  
grtgagcact tgtagctgat catctttgca ct 452

<210> 20162  
<211> 308  
<212> DNA  
<213> Homo sapiens

<400> 20162  
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gtacattttt cttaggaaac ctgttttttag ttcttttggt tatgtctaag aacagaattg 180  
ccaggacata tggttaactct gtttaaccat ttggggaact gccagactgt tttccaaagt 240  
agctgcacca ttttacattc ccaccagcaa tgcacaaagg ttttgatttc tccacatccc 300  
caccaacg 308

<210> 20163  
<211> 252

<212> DNA  
<213> Homo sapiens

<400> 20163  
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ccaaggtccg gcagctgagc tctggacact cttgatcttc caagctgcac tccaatctgg 180  
gttcttaaac atgtggtgcc tgcatectgt ttctttctcca gtgtacaaaa gattccagaa 240  
gtgaggcctg tt 252

<210> 20164  
<211> 381  
<212> DNA  
<213> Homo sapiens

<400> 20164  
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tcaagtgatt ctctgtctc atcctcctga gtagctggga ctacagacgt gtcccaccac 180  
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gatccgcccc ccttggaactc ccaaagtgcg gagattacag kcgtagagccg tagtgcccg 300  
cctagattta ttctaagttt cattcagctc agcaagattt taggtgggct ataaataagt 360  
agggtgaaac acttatatat a 381

<210> 20165  
<211> 164  
<212> DNA  
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<400> 20165  
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taatagagaa gggagtttat ggaagtttct tttgaaggat tttttttttt ccatttcgaa 120  
tcagattata gcaacaatgg agtttggaag tttgtatggc catg 164

<210> 20166  
<211> 123  
<212> DNA  
<213> Homo sapiens

<400> 20166  
gaaaaatgcc cagagcacag cccagggagg tggttcctga ggctggctgt gggcacagcc 60  
cagagagcgg ttcccgggac tgactggggg cagagccagc ccgagcgct cctgacccca 120  
cgg 123

<210> 20167  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 20167  
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accaagaaaa atgagaatta taaagccctc gtcagaagga attatgggaa acgctgaggc 120  
aggagaatgg cgtgaacccg ggaggcggag cttgcagtga gccgagatca tgccactgca 180  
cttcagcctg ggtgacatag agagactc 208

<210> 20168  
<211> 270  
<212> DNA  
<213> Homo sapiens

<400> 20168  
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gcctaagtgt aaaaacctat catctaaatt actttcagag aggattttgt cagatttttg 120  
kttggaaawt tgtttwaatt gaatatttaa tcataataga ctttgtatga actaagctga 180  
tttaatcagt ttaaaaacct ctcattacct tcttagatta aagaagctaa tactgttttg 240  
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<210> 20169  
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<212> DNA  
<213> Homo sapiens

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ccagggragc agtaaaatat caattttcat ttttaagtga ttagtactat tgttttatca 180  
tttatgctgt ctttggatta tagcatattt ataatatcta ttttttgta tttcaatata 240  
ccctcttggt tattcaggaa aaaataataa agtcacgc 278

<210> 20170  
<211> 101  
<212> DNA  
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<400> 20170  
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<210> 20171  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 20171  
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tacaatggg gcggactttc ggcactggag cagctaatt 98

<210> 20172  
<211> 139  
<212> DNA  
<213> Homo sapiens

<400> 20172  
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tttttaatt ttacagtagt catcgaaagt tatgtttctt tgcttacttc atttttttct 120  
ctaatacaaga ctggaacac 139

<210> 20173

<211> 331  
<212> DNA  
<213> Homo sapiens

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aactattgag cctatacagt gaattatttc aattactatc ttttcttctt ataaactttc 120  
cactcagttt ttctttatat cktcbecttc ctttgcygga gamtttttwa atgttcccat 180  
tcctttcaag ggtatttgct tttacttggt gaagcatttt tgtattaact gcttgaaaat 240  
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<210> 20174  
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<212> DNA  
<213> Homo sapiens

<400> 20174  
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ttcaaaaagt ctcccgcgcg 80

<210> 20175  
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<212> DNA  
<213> Homo sapiens

<400> 20175  
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aaatatgtgt tttatagaat atctcacaca tttgtaatgg ataacgtgca ttaaaatgga 240  
gttct 245

<210> 20176  
<211> 211  
<212> DNA  
<213> Homo sapiens

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atctacagaa gatgcagtgg tgagcaagag aggtgtgac ctactcttgg tgtgaaagtt 120  
aaaagagtga aaaatgatta gaggaaaggc atggtagata tatttagaag acacaatctg 180  
tacataagtg gaattccaga aagagcacat c 211

<210> 20177  
<211> 308  
<212> DNA  
<213> Homo sapiens

<400> 20177  
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gccactttag acctctacga atttctgcac ctgagttcaa gatcttctcc aatggggcct 180  
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gaccagcc	308

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cagcactttg ggaggctgag gcaggcagat ctcttgaggt caggagttca agactagcct	180
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 <212> DNA  
 <213> Homo sapiens

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atcccacttc	70

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 <211> 404  
 <212> DNA  
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<400> 20180	
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<210> 20181  
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 <212> DNA  
 <213> Homo sapiens

<400> 20181	
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gcagaccagt ttacatgttc tgtgtttcta cttaatatgc tcagtgtttc ttctagctcc	240
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<210> 20182  
 <211> 81  
 <212> DNA  
 <213> Homo sapiens

004230 " 666E1560





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<212> DNA  
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<212> DNA  
<213> Homo sapiens

<400> 20188  
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<212> DNA  
<213> Homo sapiens

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tagaatagcc aaggac 136

<210> 20190  
<211> 254  
<212> DNA  
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cactctcccc gccg 254

<210> 20191  
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<212> DNA  
<213> Homo sapiens

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gagacc 126

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<212> DNA  
<213> Homo sapiens

<400> 20192  
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ggcaacttga tgraacaggc caaaatgcac cagggcaggt cactttcca ttacactgat 180  
tccact 186

<210> 20193  
<211> 203  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<210> 20195  
<211> 150  
<212> DNA  
<213> Homo sapiens

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<210> 20196  
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<212> DNA  
<213> Homo sapiens

<400> 20196

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gggtccgcag	aaaggaacat	taaggtctgg	ccaggcccct	caggaagaaa	ctgagagcaa	180
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<211> 132  
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<212> DNA

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<210> 20212

<211> 173

<212> DNA

<213> Homo sapiens

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<210> 20213

<211> 114

<212> DNA

<213> Homo sapiens

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<210> 20214

<211> 192

<212> DNA

<213> Homo sapiens

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aaatgtggtc	acgggactca	gttgctcaaa	actttcaaca	actccctctt	gcctacagga	180
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<210> 20215

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<212> DNA

<213> Homo sapiens

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<210> 20216

<211> 206

<212> DNA

<213> Homo sapiens

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 aactcagaag tagaaaactt gaataaacct atatcaagta aatagggttaa atgagttttt 180  
 gaaaagatac ccacaaagaa ggcct 206

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<211> 374  
<212> DNA  
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<213> Homo sapiens

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<213> Homo sapiens

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<211> 98

<212> DNA

<213> Homo sapiens

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<211> 181

<212> DNA

<213> Homo sapiens

<400> 20228

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gattagaggc atgagccatc gcgcccggca ggatgagaca atttctgacc tccaaggata	180
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<211> 150

<212> DNA

<213> Homo sapiens

<400> 20229

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<211> 99

<212> DNA

<213> Homo sapiens

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<211> 134

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<212> DNA

<213> Homo sapiens

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<211> 232

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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tgccccagc 189

<210> 20248  
<211> 183  
<212> DNA  
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<210> 20249  
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<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

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<210> 20254  
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 <212> DNA  
 <213> Homo sapiens

<400> 20254  
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 tgggttgcca agtttgacct tcacagctca ttatgatcat tgatccttat atgatgracc 120  
 tgataaatga gcaacagtca caacagatgg aggactcaat gcttatgttg gagaaggaag 180  
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 atctccagag gacc 254

<210> 20255  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

<400> 20255  
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<210> 20256  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<400> 20256

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cacaaggggtg	gggcttggtt	tggttcactgc	tgtgttccta	tcacctgtga	acacaccatc	180
ctttgaggtc	ttgttctgtc	catttcccct	attgcctggg	ttccttttct	ttctctgttg	240
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cgtt						304

<210> 20257  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

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ttgaaatgtt	acctcattgt	gcttgtgctt	ttagttttta	tatcccttga	tcaataatga	180
gattgagtat	ctttctgtat	attttttgag	ctatttgcct	ttt		223

<210> 20258  
 <211> 99  
 <212> DNA  
 <213> Homo sapiens

<400> 20258						
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<210> 20259  
 <211> 149  
 <212> DNA  
 <213> Homo sapiens

<400> 20259						
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gccatggccc	atgacccct	ctcccctac				149

<210> 20260  
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 <212> DNA  
 <213> Homo sapiens

<400> 20260						
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ggactcttac	agtgccacc	tgcattatat	ctggcactag	attacaatat	aaaatatttt	180
gagtaatctg	gccaggcaca	gtggctcaca	cctgtaatcc	cagcrctttg	ggaggctgag	240
acaggcagat	caagaggtca	gggagttcga	gaccagcctg	gcctcttgat	ctgcccgcct	300
cggcctccca	aagtgtctgg	attacaggca	tgagccgccg	ngcccggcct	atggtgatgg	360
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<210> 20261  
 <211> 304  
 <212> DNA



**SECRET**

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tcagcaagg	gtttaggaaa	gctatcatga	aaatcctctt	ttttttttta	gccttcata	180
ctttgatccg	ttcttttaga	rgaatatttg	tttacagtta	cactacttat	tctaggcaaa	240
aatgatcaac	acctgttcca	aattagtact	ccagtcoccca	mactcctttt	ycctttcacc	300
acca						304

<213> Homo sapiens

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<213> Homo sapiens

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<213> Homo sapiens

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cgccaccacg  ccagactaat  tttttttttk  tttttttt    97
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<213> Homo sapiens

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<213> Homo sapiens

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<210> 20267  
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<212> DNA  
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acagtttgct tagaatgatg gtttccagct tcatccatgt ccctataaag gacataaact 180  
catcatTTTT gatggctgca tagtattcca tgggtgtgtat gtgccataaa aggaacatgt 240  
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tgggacag 308

<210> 20268  
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<212> DNA  
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ccagcctcac caacatgatg aaaccttgct tctgctaaaa atacaaaaat tagtcaggcg 180  
tagtagcatg cgcctgcaat cccagctact ccagaggctg aggcaggaga attgcttgaa 240  
cccagaggc agatattgca gtgggccgag atcgccaccac tgcactccag cctggtgaga 300  
gcgccagact ccctctcaaa aaaa 324

<210> 20269  
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<212> DNA  
<213> Homo sapiens

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ccagcctcac caacatgatg aaaccttgct tctgctaaaa atacaaaaat tagtcaggcg 180  
tagtagcatg cgcctgcaat cccagctact ccagaggctg aggcaggaga attgcttgaa 240  
cccagaggc agatattgca gtgggccgag atcgccaccac tgcactccag cctggtgaga 300  
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<210> 20271  
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<212> DNA  
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tgttttgtag gtaggatttt tagttttgaa ggggttgga gagtgaggct gtttttattg 120  
tatgtgcttt gcatacacag tcacccgcc 149

<210> 20272  
<211> 165  
<212> DNA  
<213> Homo sapiens

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actacatcct cattgtcaag tggggtgacg aaagtgtccc tggaagcccc ttcaaagtca 120  
aggtcctttg aatcccaaaa gtgcctcccc agcctcagcc cccca 165

<210> 20273  
<211> 96  
<212> DNA  
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<400> 20273  
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ggcaacaags ccagstaatt tttttttttt tttttt 96

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<212> DNA  
<213> Homo sapiens

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tatttttagt agagactggt ctctactaaa gaccatgttt gtcaggctgg tcttgaactc 180  
cggacctcag gtgatctgcc cgctccgct tcctt 215

<210> 20275  
<211> 220  
<212> DNA  
<213> Homo sapiens

<400> 20275  
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attataccaa cagaggcgaa gganaadgta tcadcatcta tgcatacttt tgctgtgaag 120  
tatgagacaa aggttaggga ataavaacag ctcttactac acagcaaaaag tatgcataga 180  
tgttgatact ttttccttcg cctctgttggt tataattgca 220

<210> 20276  
<211> 172  
<212> DNA  
<213> Homo sapiens

<400> 20276  
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 actcagaagc aggaggatcg cttgaatcta ggagttcgag gctgcagcgc actatgatca 120  
 cacttaagaa cagccactgc acttcagccc aggcaacgta acaagacccc ga 172

<210> 20277  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<400> 20277  
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 tcaatttcat tggatattct tttttttaat tgtctttgta cctatgattg aaaacagtag 180  
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<210> 20278  
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 <212> DNA  
 <213> Homo sapiens

<400> 20278  
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 cccgctccct gccctcccg cgccctccag cgagggtggg aaacgaaagg ccgat 115

<210> 20279  
 <211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 20279  
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 agcacgca 128

<210> 20280  
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 <212> DNA  
 <213> Homo sapiens

<400> 20280  
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 cttttttttt tttttttttt 80

<210> 20281  
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 <212> DNA  
 <213> Homo sapiens

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 ccaacatggt gaaacccac c 141

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<210> 20287

<211> 156  
<212> DNA  
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cttggtggaa ctctttttaca aatctggggg ccacct 156

<210> 20288  
<211> 169  
<212> DNA  
<213> Homo sapiens

<400> 20288  
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gtatacatct ggtagaattt ggctgtgaat cgttctgggtc cgggggctg 169

<210> 20289  
<211> 110  
<212> DNA  
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<210> 20290  
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<212> DNA  
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cagctcctgg ggaggcctca ggaaacttac aattacagcg gaagcgn 167

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<212> DNA  
<213> Homo sapiens

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tgcattgtgt aacgtgtgat aagaatgaat gtaaaggctg tggcaactgt aattaatttt 180  
tgtaaagggc gggtc 195

<210> 20292  
<211> 174  
<212> DNA  
<213> Homo sapiens

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cttgagaggc tgaggtggga ggattgcttg agcctagagt tcaaggttgc agtgagctat 120  
gattgcacga ctgctgcact ccagcctggg taacagagtg agaccaatc tcta 174

<210> 20293  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 20293  
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acggaaaatc agttggagtg gaaatgaaca cccagaatga actgatggag aggattgagg 120  
aagacaactt aacctaccaa catcttctgc ctgaatctcc tgagccttca gcctctcatg 180  
cgctctctga ttatgaaaca cct 203

<210> 20294  
<211> 57  
<212> DNA  
<213> Homo sapiens

<400> 20294  
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<210> 20295  
<211> 178  
<212> DNA  
<213> Homo sapiens

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cattctagcc aggtgcagtg gctcacacct gtaatccag tactttggga ggccaagggtg 120  
ggcagataac ttgaggttgg gagttcgaga ccagcctggc caacatggtg aaaacgcc 178

<210> 20296  
<211> 379  
<212> DNA  
<213> Homo sapiens

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aaagatgtcc agaatatgct aaactgccat tggatcatgtt ttgttctgtc ttaggaatt 180  
aagctaatag tcattcatctt caaaacaaat ttctcccatc cacactcaac tttaaaatcc 240  
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taacctgacc cttagaagcc cactcatccc ttacttaata cagctacgta tttatagaca 360  
gctaaggccc acagtatcc 379

<210> 20297  
<211> 91  
<212> DNA  
<213> Homo sapiens

<400> 20297

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tttgattgtc tgggtcggtt atttggatgat t 91

<210> 20298  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 20298  
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tcagtggtag aaggggctgg tctgctgggc agggctcc 158

<210> 20299  
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<212> DNA  
<213> Homo sapiens

<400> 20299  
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atgaaagcaa gccctccta ttctttttta agacataagc actgtttaat aggggtttta 180  
attttttaac tacctaagtg atatctgacc acacacctta aaaaaaattc ataaatctaa 240  
ggatcaaatt cttctttacc acattt 266

<210> 20300  
<211> 113  
<212> DNA  
<213> Homo sapiens

<400> 20300  
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agatagccag cagaggggaat cggaactttg cttgcagcag gggttgaagc agc 113

<210> 20301  
<211> 188  
<212> DNA  
<213> Homo sapiens

<400> 20301  
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cggatcatga ggtcaggaga tcgagaccat cctggctaac acggtgaaac cccgtctctg 120  
ctaaaaatac raaaaaatta gccgagcgtg ggtggcaggc gcctgtggtc ccagctactc 180  
gggatggc 188

<210> 20302  
<211> 367  
<212> DNA  
<213> Homo sapiens

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cagttcccaa atgagtcctc aattcaacat gagtgatttc accagaataa ratcttctta 180



cttctgcaaa aagcagctaa tgctttcgga agctaaataa tcccaatgtg tgactcmwgc 240  
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gtctggc 367

<210> 20303  
<211> 188  
<212> DNA  
<213> Homo sapiens

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cggatcatga ggtcaggaga tcgagaccat cctggctaac acggtgaaac cccgtctctg 120  
ctaaaaatac aaaaaaatta gccgagcgtg ggtggcaggc gcctgtggtc ccagctactc 180  
gggatggc 188

<210> 20304  
<211> 232  
<212> DNA  
<213> Homo sapiens

<400> 20304  
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ccgagtagct gggattacag gtgcccacca cgacgcctag ctaatttttg tattkttagt 120  
agagatgagg ttccaccatg ttgccaggct tgtcttgaat tcctgacgtc gtgatccacg 180  
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<210> 20305  
<211> 279  
<212> DNA  
<213> Homo sapiens

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ctggccaaca tgggtgaaacc ccatctctac taaraataca aaaattagct gggcatgggtg 180  
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gagggtggagg ttgcagttag ctgagattgc accactgca 279

<210> 20306  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 20306  
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ttactgttag gctaagcctt ggactattag ctagcttaag gacatacaaa atggactttt 120  
cattgatgcc gttttactat ttctttgctt tcaccatata tagacatcca cacaagcaca 180  
cat 183

<210> 20307  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 20307  
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tggctaattgt atgagcaagt agacatggta atgaatatga tgataataag aataggggaa 120  
acttacaaat agctttgggt tgtgccaggc agtgtactat gttccttacc aagggttatct 180  
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<210> 20308  
<211> 183  
<212> DNA  
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aacgctatcc ctccccagc cctccacccg ctgacaggcc cgggtgtgtg gtgttccccg 180  
cct 183

<210> 20309  
<211> 236  
<212> DNA  
<213> Homo sapiens

<400> 20309  
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agtataatgt ttaaaaattg tcaaaatggg acttctctga ctgaagggaagg aggatccaag 120  
ttggaaggaa gagaaagtat aaatggagtt ccaatctctc tcattgctaa agaaagcata 180  
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<210> 20310  
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<212> DNA  
<213> Homo sapiens

<400> 20310  
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caacaggctc ttccagtttg tctgggtcgg caccatttgc gaaacctgga ggaattgtta 180  
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aagaaacctg gaaaccttat atgctgacaa aaagggacaa a 281

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<213> Homo sapiens

<400> 20311  
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tctccaggcc acacagctga caagtgcagc aagcaggccc aaaccccagg tttctgcctc 120  
caggttaaat atactctttc cctcttcgac ccagatccca aggaacccaa tccaacagca 180  
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 <212> DNA  
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<400> 20312  
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 caatcctctg gctcctctga aacatttctc tctcactctc caccacagt 109

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 <212> DNA  
 <213> Homo sapiens

<400> 20313  
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<210> 20314  
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 <212> DNA  
 <213> Homo sapiens

<400> 20314  
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 gcattccatt gatctttgtg tctatcccat caccaatacc gagagttttt attattgtag 180  
 ctcataagaa gtctcggtat tgggatggag gaagatccac caagcaaagtg gaaaacaaaa 240  
 aaaggcaggg gcaga 255

<210> 20315  
 <211> 101  
 <212> DNA  
 <213> Homo sapiens

<400> 20315  
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 <212> DNA  
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<400> 20316  
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 tcacagttcg ctgcagtctt gacctcccag gctcaagcga ttctcccatc tcggcttcct 180  
 gagtaactgg gaccacgggt gggtgccact gtgcccagct aacttttttg tattgtgttt 240  
 aaagggtgga ttttgccgtg ttgcccaggc tgggtcttgaa ctctggggt taagtgatcc 300  
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<210> 20317

<211> 94  
 <212> DNA  
 <213> Homo sapiens

<400> 20317  
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 ataggcattt attgatattt cttgatttac ttat 94

<210> 20318  
 <211> 267  
 <212> DNA  
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<400> 20318  
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 ccacagttgc tacctttaat cggtcaccaa atcctgcttg tttctaccac gaccgtctca 120  
 atttctctca taatctgtcc cttcttttct gctcttacia cttctgtcct aatttagacc 180  
 gcaattttkt tcttgacaa ttacaataac cttctgtgta ccagctttac accagtctct 240  
 ctcaacttta atctctccac accacag 267

<210> 20319  
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 <212> DNA  
 <213> Homo sapiens

<400> 20319  
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 atggcatgga gggccctggg gcacccacag tgtctttacc tcctcctggg gtgt 114

<210> 20320  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

<400> 20320  
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 aacattttaat aatagacttg ccaaggttct ttgtgtagca tagagatggg tacttgaatg 180  
 ttggccttat tgtgagtaaa acgtcgtccc ccagctttcc ctgccgtaaa tgctgctctc 240  
 ttccctcccg cagargctgc actgtgcgat gggagaataa gaccatgtac tgcacgtca 300  
 gtgccttcgg actgtctatt tgacctgcag t 331

<210> 20321  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

<400> 20321  
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 tgagttgatt tttgtataag gttacagacg agggctcagt ttccttctgc tacatgtggc 180  
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<210> 20322

<211> 192  
<212> DNA  
<213> Homo sapiens

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gcccagtgtg ctttgggtgg tcagcatttc actagatgat ttctaagggtc ccttcagctc 120  
attctaata gaatttgaga tcttgagggc tgagctgggc tgggttttac attgcactgg 180  
aaggagagga aa 192

<210> 20323  
<211> 266  
<212> DNA  
<213> Homo sapiens

<400> 20323  
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gcttttctaa aatcaataat gtaattatgg tgattgtact tatcttattc tctgttgaaa 120  
tttatttcaa aggtctaagc tttttttcct ggtattctta taaraaaatt ctgaacattt 180  
atgtcccara tttttgggta aaagaacaat tgtgtgtgtg tatgtattag catattwgtr 240  
taaacatcct cttcacaatg cacaca 266

<210> 20324  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 20324  
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atgaggatta gttatgggac ctccagctgc cctgactctg aatcatgggc tagacagagc 120  
ttggagattg cctgggtccag ggtttcctaa tgccttaggg tgcctttttt 170

<210> 20325  
<211> 353  
<212> DNA  
<213> Homo sapiens

<400> 20325  
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tcacagtctg ctgcagtctt gacctcccag gctcaagcga ttctcccatc tcggcttcct 180  
gagtaactgg gaccacgggt gggtgccact gtgcccagct aacttttttg tattgtgttt 240  
aaaggtggga ttttgccgtg ttgcccaggc tgggtcttgaa ctctgagggt taagtgatcc 300  
accttccttg cccacgcaaa gtgttgggat tataggcggt acagctgcat cca 353

<210> 20326  
<211> 181  
<212> DNA  
<213> Homo sapiens

<400> 20326  
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actaggtcaa agggcttgat aagcgctatg acttagggac tgccaaaattg ctttgcaaac 120  
aggcgggtgct tgtttacagt gaaggctgcc agctgtagat gagtgacca ttttcaccgc 180

[illegible]

gctcaccgca gcctccacct tcctgggttca ggggattctc ctgcctcagc ctcccgggta 240  
gctgggattg cgggcatgca ccacc 265

<210> 20332  
<211> 189  
<212> DNA  
<213> Homo sapiens

<400> 20332  
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atcccacgca cccttcccag cctctgggtar ctatcattct actctttacc tctatgagat 120  
caactatttc agctctcaca tataagtgag aacttgcaat attagtctct cwtgtgcttg 180  
cttattttca 189

<210> 20333  
<211> 282  
<212> DNA  
<213> Homo sapiens

<400> 20333  
gagaaaggga aggaggtagc caagcaccag ggaaaggatt gacaagtggg accgcaagct 60  
tcttttgaaa ttaaaatcca gaacgtttta gtggcaacaa tctatacatt tttgtctttt 120  
taaattcaaa tacctgcaat ttctagtctt tcctgggcta taaaggaacc ggattttatc 180  
tagctgactg atttttggcg gttcaaataa caaaactaca ttttgtggtt agtttagtta 240  
attaatagct gcaaatagct ttttacaagc aaggagggag gc 282

<210> 20334  
<211> 150  
<212> DNA  
<213> Homo sapiens

<400> 20334  
caagctataa ccacaaaaat aatgaattga tgagaaatac aatgaagagg caatgtccat 60  
ctcaaaatac tgcttttaca aaagcagaat aaaagcgaaa agaaatgaaa atgttacact 120  
acattaatcc tggaataaaa gaagccctaa 150

<210> 20335  
<211> 280  
<212> DNA  
<213> Homo sapiens

<400> 20335  
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cacctrgaca cctgascagt tgctgccct gagcagcgag gccaccagg catctctgtt 120  
gtgggcagca gggccaggtc ctggtctgtg gaccctcggc agttggcagg ctccctctgc 180  
agtggggtct gggcctcggc cccaccatgt cgagcmtcgg cgggtggctss caggatgccg 240  
gcggagtagc agcagcagca ccaatggmag cgggtggcagt 280

<210> 20336  
<211> 399  
<212> DNA  
<213> Homo sapiens

<400> 20336

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atccagtac	ttaactatgg	atcatccatg	taatctggaa	ccatagttct	agcatttctc	120
agaacccatc	tcttttggtat	agttcccatg	tggtcgccag	gaagccatgt	cccttctctc	180
ttcagtttcc	tcttctatga	ratgtragg	ataccacaga	ttcatacagg	agattcctca	240
gactcatcat	aggaactgct	tggttataaa	tgagattatt	catatgagaa	cctgcagaag	300
tctcaaggaa	atcaattctc	tgcaaatgcc	tgtgattggt	gctatttatt	attctcctgg	360
tgagtcagtc	cttttcatca	cccaggcata	ctaacttta			399

<210> 20337  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<400> 20337						
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taattgtatt	catcactggt	gwatgtatta	ttggttttag	ttggtytcac	tgctcctaag	120
ttctttttgt	cttatcttgc	aagcatatca	ctgtgagcta	cttaaatacat	taacaactca	180
ttaaaactct	tgaccattyt	cattytctac	caagctgaag	cctgggtg		228

<210> 20338  
 <211> 172  
 <212> DNA  
 <213> Homo sapiens

<400> 20338						
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ggaggagggc	caaacgcg	cctagagtgc	ggcgtasccc	acccgccg	at	172

<210> 20339  
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 <212> DNA  
 <213> Homo sapiens

<400> 20339						
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ctgggtgatt	taaaacaaca	gatttattgt	ctcagttctg	gaggcaagat	gtctgaratc	180
aagatgtagg	tatggccatg	ctctctcaag	gttcgagggg	agaatctgtt	ccatgcctct	240
tagcttggtg	tggtactgcc	aatccttagc	attttttggc	ttgcagctat	gtsrctccag	300
tctgtgactc	tggtatcaca	acataatccc	tgtgtggctc	tgtcttca		348

<210> 20340  
 <211> 137  
 <212> DNA  
 <213> Homo sapiens

<400> 20340						
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tcagatctca	gcacaccctt	tgaacagaaa	ggctaaagt	aacaactcca	gcctgatagg	120
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<210> 20341  
 <211> 112



<212> DNA

<213> Homo sapiens

<400> 20341

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agaaattctt	cctatatgga	gaccctaacc	tcagcttttt	attgctggct	ca	112

<210> 20342

<211> 324

<212> DNA

<213> Homo sapiens

<400> 20342

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tgtccctcgc	ccactttttg	atgggggttg	ttgttttttt	cttgtaaatt	tgtttgagtt	120
cattgtagat	tctggatatt	agccctttgt	cagatgagta	ggttgcgaaa	atcttctccc	180
atgtttagag	ttgcctgttc	actctgatgg	tagtttcttt	tgctgtgcag	aagctcttta	240
gtttaattag	atcccatttg	tcaatttttg	cttttgttgc	cattgctttt	ggtgttttgg	300
acatgaagtc	cttgcccacg	ccag				324

<210> 20343

<211> 355

<212> DNA

<213> Homo sapiens

<400> 20343

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gtgactaaag	atgcaaataa	aaatatatca	tattggccgg	gcgcggtggc	tcatgcctgt	120
aatctcagca	ctttggggagg	ccaagagggtg	ggcagattac	gaggtcagga	tatcaagacc	180
atcctgggta	acacagtga	accccgcttc	tactaaaata	caaaaaatta	gccgggcttg	240
gtggcatgca	cctgtaatcc	cagctactcg	gaaggctgag	gcaggagaat	cgcttgaacc	300
ctggaggcgg	atgttgagct	gagccgagat	tgtgccacct	cactccagcc	tgggc	355

<210> 20344

<211> 309

<212> DNA

<213> Homo sapiens

<400> 20344

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cggtgtgaaa	cagcagccca	cagtcctggg	acatgttgga	cacctccctc	aacctatgaa	120
gccagagggt	tacgcttgag	attgctgaga	aggcggggaa	cccaggcagt	ccctgggcct	180
ccaaggaggg	aggaggarga	ggaggaggag	gaggaggagg	aggaggcctc	ccccaggatc	240
gctgggccag	ctctgctccc	tgcatctctc	cctccggctg	cgtgtkgatg	ctgctcgtcc	300
tcgycctgt						309

<210> 20345

<211> 149

<212> DNA

<213> Homo sapiens

<400> 20345

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caggccagac	ctgcaaataa	ggccttttga	taaggaatga	gtcaggtatc	ctggggacaa	120

agtgacatt tcataagaaa tccgagaat 149

<210> 20346  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 20346  
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ttgcagtcta tttccttttg gttgtgggtc tcctaagtat catcccttcg tgatcgccag 120  
aaagaa 126

<210> 20347  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 20347  
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taggcaaaca ttgcttgctc aaagtgttcc agtctgagaa aatgtgcagg aggaacagcg 120  
tggaatcagc 130

<210> 20348  
<211> 348  
<212> DNA  
<213> Homo sapiens

<400> 20348  
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ttggctcact gcaagctctg cctcctgggt tcacgccatt ctccgtgtctc agcctcccga 180  
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agacgggggt tcaccatgta tccaggatgg tctcgatctc ctaacctcgt gatccacctg 300  
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<212> DNA  
<213> Homo sapiens

<400> 20349  
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ccaa 124

<210> 20350  
<211> 229  
<212> DNA  
<213> Homo sapiens

<400> 20350  
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tctcgaaact cctaacctca ggtgatccac ctgcctcagc ctcccaaagt gctgggatta 120  
caggcaggag ccaccaccac acctggccca gatggctgct ttcaaattctt gacctctgtg 180

caatgttagg gagctgtgtt aggcacatga attaaccttc tgaacctgt 229

<210> 20351  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 20351  
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ccgccatgag tgtaagtttc ctgaggtctc ccagtcatac tgctgggttaa gcctgcagaa 120  
cgggtgtactt gtttgaaatg tatctggccc a 151

<210> 20352  
<211> 184  
<212> DNA  
<213> Homo sapiens

<400> 20352  
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ctgataaaaa gatgcaaaga atcatactcc ttgcttatca aaacctatct atgctagctg 180  
ccct 184

<210> 20353  
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<212> DNA  
<213> Homo sapiens

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caggacc 127

<210> 20354  
<211> 217  
<212> DNA  
<213> Homo sapiens

<400> 20354  
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gccactgcag ttgagcatgt ctagcctgga gtcttctgaa gaacatgatt actgacttta 120  
tgtataggaa tggctgcaa tgaagaagag aatattgaaa gtcagaagca tgctatcaca 180  
taactctgca tttcatmrgg ccgagaaagc accgcgn 217

<210> 20355  
<211> 149  
<212> DNA  
<213> Homo sapiens

<400> 20355  
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gcgagattt aggggtggag tgacccgatt ttccaggtgc catctgtcac ccctttcttt 120  
gactaggaaa gggaactccc cgaccccca 149

<210> 20356  
 <211> 88  
 <212> DNA  
 <213> Homo sapiens

<400> 20356  
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 tgcatacaga cagaagaatc tcagcaac 88

<210> 20357  
 <211> 88  
 <212> DNA  
 <213> Homo sapiens

<400> 20357  
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 aaggggatrc cactacagac tccacaaa 88

<210> 20358  
 <211> 138  
 <212> DNA  
 <213> Homo sapiens

<400> 20358  
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 tcttcatttt accagttt 138

<210> 20359  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<400> 20359  
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 ccgctgtgac tgggcccagc ggtccagggt ggctgtgggt ggagtgcagc ggggtggaga 180  
 aagagagagg aaactcactt ttgaatcctc agttgcttcc cctaggctgg gctgcccagg 240  
 aacaacttca atgggcaaag gagtatgtga tcgatgggac caaggtgctg ggaaacgggg 300  
 tcgc 304

<210> 20360  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 20360  
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 cagatagttt gtagatatgc ggcgttattt ctgagggact cg 102

<210> 20361  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<400> 20361  
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 aactgaccaa gcattgaaaa gaacacagtt tcagaaaaca gtttccagtg cctctggcct 180  
 tcctactgaa agcagacaca gagtgcattga agaccgttca rrtatgtcag ggrmtcctc 240  
 ccatgagtc tttctatgavt ccctctcaga catgcaggar rgaaagcaag aatactgact 300  
 tcttcccgagg cctttctgct ttctctca 327

<210> 20362  
 <211> 175  
 <212> DNA  
 <213> Homo sapiens

<400> 20362  
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 tgggttaaca acctaccatt tgaagaatcg cagagatgaa ttaaaaagag ccccgagag 120  
 gctccccgat ccagttgcac ttcttgctta agcaaagtaa agaaaaacag gaatg 175

<210> 20363  
 <211> 283  
 <212> DNA  
 <213> Homo sapiens

<400> 20363  
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 ctctgtagcc tcagcctcct gggctcaagt gatcctttta cctcagtttk ctgagtagct 180  
 aggactacag atacgcacta gatgtctgtt taatggttgg tttgwtgta gtgttcggat 240  
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 <213> Homo sapiens

<400> 20364  
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<210> 20365  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

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 gggctcatca tccaagtcgt cctcaaggca gctaagcgag agcttcaaga gcaaagagtt 120  
 tgtgtctagt gatgagagct cttcgggaga gaacaagagc aaaaagaaga gggaagg 177

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 <212> DNA  
 <213> Homo sapiens

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actgactggg gattctggac ttccatcccc atcctccac tcagcagtgg taggcagctc 180  
cccctcccca ctagagaatg gggaatgt 208

<210> 20367  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 20367  
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aggctcggtg acttgtcact ccagagaatg cctgcagtgt cctcaccctg tcacagcctc 120  
agacacattt tgaatctgca ggaactagtt caaccagga agtcga 166

<210> 20368  
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<212> DNA  
<213> Homo sapiens

<400> 20368  
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atgccagct aatctttgta ttt 83

<210> 20369  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 20369  
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aggcactggc agagtttgaa tgaactccag ccagggcaac aggaaggcct tgaaggtcga 180  
gaaacaggac tcattctccc gcctgaagtg agatggaaca ggattcaatc ccatttgcca 240  
cacctccgtg aaggagtta 259

<210> 20370  
<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 20370  
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gcttgtkktt ttaccttcag ctcttttccc ttagttcaac cttagtagac tcaactgtca 120  
ctcctcattc ccctatgctg tctttgtgcc actgccgccg gtcgcatagt tgagaacaga 180  
gttcttacct gtttactgac acataaaggg ccagatcctt ttgtttttaa tttagcagat 240  
gttgagagat tatgctcctt tt 262

<210> 20371  
<211> 127  
<212> DNA  
<213> Homo sapiens

<400> 20371  
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ggcagttcct ctcatatgat agaagcttat agcctttctt gcaactgcat tcgaagctgc 120  
ccacca 127

<210> 20372  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 20372  
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gtagagcacc gaaaaccacg aggaagagag gtac 94

<210> 20373  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 20373  
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cgccaccgc ccagctaatt ttggggtttt tagtagagac ggagtttcac catgttggcc 120  
aggatggtct caatttcctg acctcgtgat tctccactt cggcctctca aagtgctcag 180  
attacaggcg tgagccaccg tgcccggcca c 211

<210> 20374  
<211> 177  
<212> DNA  
<213> Homo sapiens

<400> 20374  
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<210> 20375  
<211> 322  
<212> DNA  
<213> Homo sapiens

<400> 20375  
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atccccctat cttggcctcc cacagtgttg ggattatagg tgtgagccga tgtgcctggg 240  
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cagtcatttt ctgagaagga gt 322

<210> 20376  
<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 20376

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ggtcactgca ctccagcctg gccaacatag cttgactcca tctctaaata cacacacaca 180  
catcca 186

<210> 20377  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 20377  
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ctgggcatgg tggctcacac ctgtaatccc agcacttttg gaggctc 107

<210> 20378  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 20378  
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agagtgccaa agttgtattg tgtgcgggtc ccacttaatg tgtcatc 107

<210> 20379  
<211> 227  
<212> DNA  
<213> Homo sapiens

<400> 20379  
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ccascctgtc tggstartct ttttgtattt ttagtagaga cggggtttca ccatgttggc 120  
caggatgggc ttgatacagg artactgaat agtgaattgg tgaacatgga catgaatttc 180  
ttgttgctca tcttagaagg aaggcattca gtattttact gttaggm 227

<210> 20380  
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<212> DNA  
<213> Homo sapiens

<400> 20380  
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aataaaaatat ggtcaagaga tttagagaaa tatcaaaaag atgaaaacag ttaaagggtga 120  
tagtaatgaa gacaaggaaa aaatctaata gagttatggt ggtttttttg tttgtttgtt 180  
ttgttttgtt tgagacggag ycycactctg ttgccagggc tggagtgcag taggcgcgat 240  
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<210> 20381  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 20381  
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142

<211> 260

<212> DNA

<213> Homo sapiens

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cgctcactct	tctttgtctc	agcctttcca	tctttttcgc	caggactctg	ctggggcgct	120
cagccatgcc	tgagggagcc	caaggactga	gcctctccaa	acctagccca	agcctcgggt	180
gtggccgaag	aggtgaagtg	tgtgactgtg	gcaccgtgtg	tgagactcgg	acagcagctc	240
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<211> 271

<212> DNA

<213> Homo sapiens

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gcactttggg	aggccgagga	gggcacatca	gttgaggcca	ggagtttgag	accagcctgg	180
ccaacatggc	gaaacaccgt	ctccactgaa	aatacaaaaa	ttagccagggt	tgggtagcac	240
atgcttttga	cccacagtgc	tatgggaagct	t			271

<211> 403

<212> DNA

<213> Homo sapiens

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gcagtagctg	ccaagtgcc	tgatggcctg	gagtcagatg	gctacattgc	actcagttct	120
cccatcttcc	atagatactg	gatgttatcc	ttcaatgttt	gccttgagcc	agatggagag	180
gaaagaggca	gagttaactt	gtctttctat	tttcattctc	ccaaatacaa	ctgatttttt	240
actctactcc	tggatacctt	tcttatatca	caactctgat	gatgtaactt	ttctcaacca	300
aactttcagg	ggacctcta	tgatctcaga	atgaaacccc	aactgtgttg	tatacattta	360
acatgcattc	tactttcctt	ccttccttac	attttagctg	cgt		403

<211> 275

<212> DNA

<213> Homo sapiens

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cgtgatcgcc	tgccctggcc	tcccaaagtg	ctggggattac	aggtgtgagc	caccgtgcct	180
ggctaatttt	ttttgttttt	tagcagagat	ggggttttct	tatgttggcc	aggctggtct	240
ccaaccctga	cctcaagtg	tccaccacc	tcgaq			275

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<212> DNA  
<213> Homo sapiens

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ctgccattat gaagaaatac agctgggttc tgatattaac ttttacccta tgac 174

<210> 20387  
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<212> DNA  
<213> Homo sapiens

<400> 20387  
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cttagagaag ctataataac atcttgtcta tgatccccc gatctctgac ccagagcctg 180  
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<210> 20388  
<211> 353  
<212> DNA  
<213> Homo sapiens

<400> 20388  
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gttaaagaag gggacagacc agctaaaaat ggttgtagca ctactgtac aacctcatgg 120  
aaattctcac tataagattt agaggcaatg ttccctagct ataagcbagg gcaagaaatg 180  
ggcctctctg agttggggaa cattagggga acattacaac cgggtagatg ctggttccct 240  
gaagtgtggg gccatgaaca tgcagggacc cacggtttga atgaaacagc tactgaaagc 300  
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<210> 20389  
<211> 134  
<212> DNA  
<213> Homo sapiens

<400> 20389  
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ttcttttttt tttt 134

<210> 20390  
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<212> DNA  
<213> Homo sapiens

<400> 20390  
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cctgtaatcc cagcactttg ggaggccgag gcaggctgat cacttgagggt caggagtctg 120  
agaccagcct ggccaacatg gtgaaaccct gtctccatta araatacaaa aattagctgg 180  
gtgtggtggt gggcacctgt aatcccagct actggggagg ag 222

<210> 20391

<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 20391  
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aaaaatagar agggagagaa aatagtcgga gagacaaaaa ccaggagacc catgcgtgga 120  
cagaaagact aacggagacg aaaagaaaga ggcagatggg gagacacgtg cgagacgaga 180  
cacatgtgca tttgttaggg agaa 204

<210> 20392  
<211> 148  
<212> DNA  
<213> Homo sapiens

<400> 20392  
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gtattactaa ttttattttg gaggcaat 148

<210> 20393  
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<212> DNA  
<213> Homo sapiens

<400> 20393  
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cctaattgcaa atgaggaaga tttgggtttt tagggtagcc catatatgag gcaaagtgga 120  
cagacaagat ttcttcttca tcctaaagcc accacatcta tacgattggt agcaacatct 180  
tgccactaat agtaaacaac tgttggtttc gtctctgcag aatctgtgat ccctcctcta 240  
atthatactt agagtcctcc cctctcct 268

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<211> 57  
<212> DNA  
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<210> 20395  
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<212> DNA  
<213> Homo sapiens

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cctggcctcc caaagtactg gaattacagg tgtgagtcac catgcccggc caa 173

<210> 20396  
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<212> DNA  
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<400> 20396  
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<210> 20397  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 20397  
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 raccttcgcc attcattggt gtccatctac aagttgtagc aaatattggc rtgtagtctt 180  
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<210> 20398  
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<210> 20399  
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 <212> DNA  
 <213> Homo sapiens

<400> 20399  
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 ttgcatacta taatatttaa cagccacagg agaaaggcaa accaatataa ttaagggttaa 180  
 atatatgtgg agtaattgaa taagagaggc ttaatgtgtc cctattttcta ttttaatttg 240  
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 gardgcatgt aattttgctg aca 383

<210> 20400  
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<210> 20401  
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<212> DNA  
<213> Homo sapiens

<400> 20401  
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ataggatttc actctgtggc tcaggctgga gtaattgcag cctcaacctc ctgctcaatc 180  
aaacccccac ctgc 194

<210> 20402  
<211> 52  
<212> DNA  
<213> Homo sapiens

<400> 20402  
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<210> 20403  
<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 20403  
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tttttctgtc gtctccacc caat 204

<210> 20404  
<211> 69  
<212> DNA  
<213> Homo sapiens

<400> 20404  
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aaaaaaaaa 69

<210> 20405  
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<212> DNA  
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ctttgtagag atggcgtttc accatgttgc caaggctggt ctcaaactcc tgagctcaag 180  
caatccacc gccac 195

<210> 20406  
<211> 113  
<212> DNA

<213> Homo sapiens

<400> 20406

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gaggaagga gactctttaa agaataacat cttattgtgg ccatgccagg gac 113

<210> 20407

<211> 76

<212> DNA

<213> Homo sapiens

<400> 20407

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cttctctcc cacc 76

<210> 20408

<211> 279

<212> DNA

<213> Homo sapiens

<400> 20408

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ccttttatkt ctttcccttg cttactatt ctgacaagga cttcatrta acaatactga 180  
ttagaagtgg tgagaraagc acatttttct ttwtcctaata cttaggagga aagcrttttag 240  
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<210> 20409

<211> 114

<212> DNA

<213> Homo sapiens

<400> 20409

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<210> 20410

<211> 191

<212> DNA

<213> Homo sapiens

<400> 20410

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<210> 20411

<211> 133

<212> DNA

<213> Homo sapiens

<400> 20411

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<210> 20412  
 <211> 179  
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 <213> Homo sapiens

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 catcactgta ctccagcctg ggtgacagag tgagaccttg tcccaaaaaca aaaaaaaaaa 179

<210> 20413  
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 <213> Homo sapiens

<400> 20413  
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 cagtggctga tgctactggt ggaggaacca caccttgaga agcactgatc taggcacctt 180  
 csactcctct cagtctatag atgggaaaat ggaaactcgg agaggtgagg ggctggctca 240  
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<210> 20414  
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<210> 20415  
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 <212> DNA  
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<210> 20416  
 <211> 341  
 <212> DNA  
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<400> 20416  
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 tcctgaagaa gagagaaaac taaaagtctg gaaaacatat ttgggggagt aattgaggaa 180  
 aacttccttg gccttgctag agaccagac atccaaatac aagaagcaca aagaacaccc 240  
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<213> Homo sapiens

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cattcatcca ttgtgccat tagttgctgc ggattatcaa gttttgaagg aactgtacat 180  
cccaacagac tgaaacattc taagtgaat gagtataatc caagtaactg gtgaactttg 240  
gaggtttga gcttgaagag aatggctaag aagatttg 278

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<213> Homo sapiens

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aattaatatg gtccaaagga aaaaaagggt tttttgagat ggagttttgc tcttatttcc 180  
caggctggag tgcaatggca tgaccttggc tctactgcaac ctctgcctct caggttcaag 240  
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gcaga 305

<210> 20419  
<211> 69  
<212> DNA  
<213> Homo sapiens

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aaaaaaaaa 69

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<212> DNA  
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gcattccctg ccctgtagga gtgatagttg aatagaaaga aaaacaaaga agtggttaata 180  
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<210> 20421  
<211> 113  
<212> DNA  
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ccccattgtc ttgggggatta acattcagct cctgcttttt tttttttttt ttt 113

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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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tgaccttcaa attaacctcc ttgaagacaa cc 152

<210> 20424  
<211> 154  
<212> DNA  
<213> Homo sapiens

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aggcggaggt tgcagtgagc cgagatcacg ccac 154

<210> 20425  
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<212> DNA  
<213> Homo sapiens

<400> 20425  
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atttttagag atatggggctc ttactctgtt gctgaggcta gccttgaact cctggcctca 120  
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cagt 184

<210> 20426  
<211> 80  
<212> DNA  
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tgaaacctct tttcttggtt 80

<210> 20427  
<211> 149

<212> DNA

<213> Homo sapiens

<400> 20427

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gcwactccca gcactttggg aggctgagg	149

<210> 20428

<211> 108

<212> DNA

<213> Homo sapiens

<400> 20428

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gggctgggga aaccaaattgg gaaaaaaaaac aaagttgctg ctgtcgac	108

<210> 20429

<211> 140

<212> DNA

<213> Homo sapiens

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<210> 20430

<211> 148

<212> DNA

<213> Homo sapiens

<400> 20430

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<210> 20431

<211> 249

<212> DNA

<213> Homo sapiens

<400> 20431

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attcttctag ttttgttctt tttgcttagg atgactttgg ctattctgag tcttttgtgg	180
ttccgtataa attttgggat tactttttta tttctgtaaa gaatgtcatt ggcatattgat	240
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<210> 20432

<211> 448

<212> DNA

<213> Homo sapiens

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gtttgagcct gtatgtaaag gctaattgtt tcagagtaag tgactgatta tagtgggatg 180  
aagttagtca ggaaaggatc tctgaagata aatgagtgcc tttgcctaata cccaaggtaa 240  
tgaagctgga ttgggtaaaa agtgaaatag ggtatttcag tttgaggaaa taacctgaat 300  
aaaagcacag aggagcaagt tagagacata tattatgact cctttcagtt gcaagtgaat 360  
aaatttatta gctcaatatt gaaaatctct aatgggtagt ctggaatcag gacttgtatt 420  
tagacatgat tgtcaagaat ctctctct 448

<210> 20433  
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<212> DNA  
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ttcataacag gagagac 137

<210> 20434  
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<212> DNA  
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taagctttta atcaaacatg tggtcagtc acatttgaaa tgttagttca aaatattaac 180  
atatagttat gttgttgatg tctactgaaat tttaatgtgt aaaagcagca ctgtgc 236

<210> 20435  
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<212> DNA  
<213> Homo sapiens

<400> 20435  
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attaggttaa ctatgtatat taaagtagaa tagaggtaaa ttacagatga aagactcttg 180  
aaggagcatg gtagaacttg tgggtaataa tgacaaatgg gagctcaaat gattattccc 240  
tactttctgg cttggtaaga ctggtcgcgt agaagtacvy tggtagaaat gtagtttagc 300  
agagtgaact at 312

<210> 20436  
<211> 294  
<212> DNA  
<213> Homo sapiens

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tcctgaagca gaacctacct gggacatgta cgaatatcta ttcatgtcaa attaaatgat 180  
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acacacacac acacacacac acacacacac acacacacac acacacacac acac 294

<210> 20437  
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<212> DNA  
<213> Homo sapiens

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ggttcagtat tgaaatagag tagaattttg aaagawaaaa ctagaaagat gaggctgtaa 180  
aatgagggtc gagaggtagc aggagg 206

<210> 20438  
<211> 106  
<212> DNA  
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<210> 20439  
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gggagctagt tgcagcgtga gagaggaagt gggaggggag ggagaggggtg agtttggtgw 300  
actcaccctt ggaaggaggc tgggctgagg ctgggggaa 339

<210> 20440  
<211> 153  
<212> DNA  
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accatttctt ctttcctac ctccccctc aag 153

<210> 20441  
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<213> Homo sapiens

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gccaccacac ccgga 135

<210> 20442  
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<212> DNA  
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<400> 20442  
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<210> 20443  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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gagtgcagacc ctgtttcaaa aaaacaaagc agggccgggg c 161

<210> 20445  
<211> 176  
<212> DNA  
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<212> DNA  
<213> Homo sapiens

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ctcatgcctg taatcccagc actttgggag gctgaggcgg atggatcatt tggggtcagg 120  
agttcaagac cagatgggcc aac 143

<210> 20447  
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<213> Homo sapiens

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 gtatcgcgcc aggcaa 136

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 tttgtttttt taactgcctc tcagattata tttacttagt tttaaatttct ttgctttatt 180  
 cattaaagta taaaaacttc aggtctctga tttattttca cttgtttact aattatttac 240  
 aaaacaccca a 251

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 gtgacccatt gcacctggcc cta 143

<210> 20452  
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 <212> DNA  
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tggtaggggg	tttctgcgcr	stcccgggga	accacggctg	gatgggggtg	gcggggagac	180
cgggcaccca	tgggarmggg	gaarcgggga	ggcggcgrmg	tgar		224

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ttgaacataa	gttagcatcc	ttgcccctctc	ccaaatttta	tccttgccctt	gtgctatctt	180
aaccccsdat	cttccaggta	aatattatctt	ttttttgtat	atctttacgtt	acttacatctt	240
ctatttgatg	atattctcac	atgaaaaaat	gtgtgggtcct	tgtgggttccc	cacccccgcc	300
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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<210> 20457  
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 <212> DNA  
 <213> Homo sapiens





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tgccaatttc aggggggcagc tcc 263

<210> 20463  
<211> 71  
<212> DNA  
<213> Homo sapiens

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tggaggggtga aggtggaagt gagggtaggg taaactttga agggggcctg gggctaattt 240  
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<210> 20466  
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<400> 20466  
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gaatgttgaa tgccaaag 258

<210> 20467  
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<212> DNA  
<213> Homo sapiens

<400> 20467

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aagtttatta gcttttttat tacatagggt catgtcttta gactattcct tt 172

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<212> DNA  
<213> Homo sapiens

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tgtttcgctg gtgactgtc 259

<210> 20474  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

<400> 20476  
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<210> 20477  
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<212> DNA  
<213> Homo sapiens

<400> 20477  
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caggccagct ttgcatttag agttcatgct gctagctgtg tggctatgaa gacagtagac 180  
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tcctagacca gttttaattt ttattgcaca tcagaatca 339

<210> 20478  
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<212> DNA  
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<212> DNA  
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<212> DNA  
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cattagcagt gcactcccc atctg 85

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<212> DNA  
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<400> 20482  
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agaggtccag cctctgtggc tctgtg 86

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<212> DNA  
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tccctcccgg ctccaccccg caagcaccat cccctccggm taagcaggcg caagggagggc 180  
ccagcgcgga catcccctgc tggccggaca cccgactcca gtmc 224

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<212> DNA  
<213> Homo sapiens

<400> 20484  
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tcgatctcct gacctcgtga tccgcccc 148

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<212> DNA  
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<400> 20485  
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atcttaaaaa tagagtcatt aaccagatgg gtgagataga aaaagggaga aaatatttaa 180  
gacagagaga tcggtgtgta ttttaattct gaatttaaatt gttcattatt aatattaaag 240  
ccactataca gtagtcccct cgt 263

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<212> DNA  
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gct 123

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<212> DNA  
<213> Homo sapiens

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cttttctct ttttaaaacc tctgcattgg ccaccagga ttttaagagga gcttttctgg 180  
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atacctgac 249

<210> 20488  
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<212> DNA  
<213> Homo sapiens

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aaggggatca 190

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<212> DNA  
<213> Homo sapiens

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taaattcctag ctaatgttga gacttctaag ctaatttt 158

<210> 20490  
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<213> Homo sapiens

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ttatattacc cttcaaaata agatgtgtat ttaatgttca aatagatcct gaggaaagaa 180  
acatacatta atgtctccat cacgttagga accaaatcat taccttttga gtcattgtct 240  
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atztatggcc ggacgcgg 318

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<212> DNA  
<213> Homo sapiens

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ccatattgga aaccagccaa tccaagggtcc acacccccac ctgtctctat gacagaggat 120  
gaaactccgg gcctctgccc taactacccc ct 152

<210> 20492  
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<212> DNA  
<213> Homo sapiens

<400> 20492  
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cctttgcaca	tctgtctctt	ctcattatct	agatgtctgm	ttgaatgtca	cctgcttato	180
aaggacttcc	ttgctastct	gtctacagta	caagtacatc	tccmccactc	aaatcacttt	240
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<210> 20493  
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 <212> DNA  
 <213> Homo sapiens

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aagggttttac	ccttccagta	cctcctgcta	ttccccgacc	caggccagtt	ctgtcctgta	180
ctgtggaaga	gaccagcaag	tttattcttt	ttttctcaac	catctctctc	ttacaaacta	240
gctgctactt	ctggatcttc	cagattcaga	cccaatgggtg	agggaggaaa	cargaaataa	300
tatagataga	aaccg					315

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 <212> DNA  
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cagctaatat	tttttgtatt	ttttagtaga	gatggagtct	caccatgttg	gctaggatgg	120
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<210> 20495  
 <211> 186  
 <212> DNA  
 <213> Homo sapiens

<400> 20495						
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tggtgtggaa	agatcacttg	caagtatata	agactgtata	aagaagagga	ctgtgtgcaa	180
gtgggg						186

<210> 20496  
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 <212> DNA  
 <213> Homo sapiens

<400> 20496						
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gctgtacaag	cgtcttgaat	tactctggta	gcttttccag	aaagacccat	gacttcacca	120
catttctcga	gttacgatga	aggctctctg	gatgtcagca	tggcagccac	aaacctggag	180
aaccagctgc	acagcgcaca	gaagaacctc	ctgttctctc	agcgggasaa	tgccagcacg	240
ctcaaggggc	tgca					254

<210> 20497  
 <211> 87  
 <212> DNA  
 <213> Homo sapiens

<400> 20497  
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gagctctttt tttttttttt ttttttt 87

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<211> 140  
<212> DNA  
<213> Homo sapiens

<400> 20498  
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gagggccatt cggtgtcctg cccacagaga gagaaacagt gagagaccaa gagagcaaac 120  
cagagagata gggaggggaa 140

<210> 20499  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 20499  
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cacttatgaa gcttagtttg gctggatatg aaattctggg ttgaaaattc ttttctttaa 180  
gaatgttgaa tattggcccc cac 203

<210> 20500  
<211> 271  
<212> DNA  
<213> Homo sapiens

<400> 20500  
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tactgtgtt agccagaatg gtctccatct cctgacctcg tgatccaccc gcatcagcct 240  
cccaaagtac tgggattata agcgtgaggc c 271

<210> 20501  
<211> 326  
<212> DNA  
<213> Homo sapiens

<400> 20501  
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caaattacaa aacacaaaac aaaataaaat caaaccatac tctagttgat tttcatttaa 120  
ataccctcta acctttaaat tttccttcct atgaatcatc tttgtttccc aagtttcagt 180  
cagtgaagta atgagctagt aagattctga tatacaactg actccttaaa aaacttagaa 240  
gttcagagct acatgaagta acttattgga aatgaacaat ttcatagctt ggctttatga 300  
tgcaaggaat cagcattagg ctgcca 326

<210> 20502  
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<212> DNA



<213> Homo sapiens

<400> 20502

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<210> 20503

<211> 141

<212> DNA

<213> Homo sapiens

<400> 20503

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atggccagaa aaagagattg ggtggagttt agaattgggg cagaatggga ctgagatctt	120
gctgagaagg tatccaggaa g	141

<210> 20504

<211> 372

<212> DNA

<213> Homo sapiens

<400> 20504

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ctatttcctc aggcagaatg taggtctgtg tgtgtatcct gagagctggg ctgtttacag	180
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ggattaagct ctatttagtc agctgctcgt gccataatgg caataggatt atcagctaag	300
tgagggaaag gctcatgggc tgggatatgg ccatccaggg ggagcctgaa taacagtcta	360
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<210> 20505

<211> 357

<212> DNA

<213> Homo sapiens

<400> 20505

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tgccctagcc tcccaaagtg ccaggattac aggtgtgggc catcgagcct ggcctccacc	180
aatgcatttc tgccacatag tcattttcat tagttgagtg ggcaattttc ttaagccact	240
ttaccttctg tattagtttt ctagggtctgc cataaagtac cacaaactgg gtggcttata	300
caacatarat taatttcctt acagttctgg aagctwaaag tccaagatca aggtgtt	357

<210> 20506

<211> 184

<212> DNA

<213> Homo sapiens

<400> 20506

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ttacacattc taagtgtatg gtttgatgag ttctaacatg tcttcacttg tgtgaccacc	120
aatacgatcg agatagagaa cagcgtctta cccagaagg ttcccttggg atcatctcct	180
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<210> 20507

<211> 130

<212> DNA

<213> Homo sapiens

<400> 20507

cctcctgagt agctgggact acagatgcct gccaccacgc ctggctaatt ttttctat	60
tttagtagag acaggggttc accatgttag ccaggatggt tttgatctga cctcgtgac	120
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<210> 20508

<211> 199

<212> DNA

<213> Homo sapiens

<400> 20508

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caggctggtc ttgaactcct gacttcoggt gatctacctg ccttgacctc ccaaagtgt	180
gggagccatc acaccccg	199

<210> 20509

<211> 343

<212> DNA

<213> Homo sapiens

<400> 20509

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atagatttga tcttgagggc atgttttagaa aatagttccc agcgctagga agatttaaaa	120
ctcttataat aagagttata atagtaataa gaacctgctt attgctccct tgtttgctac	180
ctgtacttct tcaaatgata aaaagcttca tcaactacct agttgaccaa aatgtttcag	240
cacaagtgtg ctgtatgart cactattgat ctgtcttgca agaagmcatg ggtagtgaaa	300
atgaaagtga ractcccact attngtgtaa tgtctcaaag gga	343

<210> 20510

<211> 207

<212> DNA

<213> Homo sapiens

<400> 20510

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caggccatgg aaaggactct aggttttacg ctaggtaaaa tgaggaggca ctgcagggct	180
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<210> 20511

<211> 138

<212> DNA

<213> Homo sapiens

<400> 20511

cccagctact ttttgtat	60
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<210> 20512

<211> 202

<212> DNA

<213> Homo sapiens

<400> 20512

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cctggtagtg	acaaaatctc	tcagcatttg	cttgtcagta	aagtatttta	tttctccttc	120
acttatgaag	cttagtttg	ctggatatga	aattctgggt	tgaaaattct	tttctttaag	180
aatgttgaat	attggcccc	ac				202

<210> 20513

<211> 270

<212> DNA

<213> Homo sapiens

<400> 20513

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catggcgaca	gaaaatggag	cagttgagct	gggaattcag	aacccatcaa	cagacaaggc	180
acctaaaggt	cccacaggtg	aaagaccct	ggctgcaggg	aaagaccctg	gccccccaga	240
cccaaagaaa	gctccggatc	cgccccacca				270

<210> 20514

<211> 234

<212> DNA

<213> Homo sapiens

<400> 20514

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tttggtttct	cttttagctg	gatctggcca	gaaggaggct	taaagttaga	aattgctatt	180
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<210> 20515

<211> 138

<212> DNA

<213> Homo sapiens

<400> 20515

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aggattccaa	ssccccca					138

<210> 20516

<211> 88

<212> DNA

<213> Homo sapiens

<400> 20516

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<210> 20517  
<211> 163  
<212> DNA  
<213> Homo sapiens

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<210> 20518  
<211> 144  
<212> DNA  
<213> Homo sapiens

<400> 20518  
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caccatcatt cttcacagaa ctagagaaaa acagtcctaa aattcatatg gaatgaaaaa 120  
agagcctgca tagccaaagc gcct 144

<210> 20519  
<211> 343  
<212> DNA  
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<400> 20519  
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ctaggaagtt ccaaaactacc atgtcatttt ttttctataa aac 343

<210> 20520  
<211> 338  
<212> DNA  
<213> Homo sapiens

<400> 20520  
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tgatagctca tgtttgtaat cccggcactt tgggaggccg aggcgggagg atcacttggg 180  
ctcagcagtt tgagaccagc atgagcaaca tatgaaacct tgtgtttaca aaaaatacaa 240  
gaattagctg ggtgtggtgg tgtgcacctg tagtcccagc tactcgggag gatcgtttga 300  
acctgggagg ttgagggtac agtgagcctg ggcaacga 338

<210> 20521  
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<212> DNA  
<213> Homo sapiens

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<210> 20522  
<211> 274  
<212> DNA  
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aaatgtcttg gagcccgctt gcggagggca tagcgccgac cctcgctccc cgcccaggac 180  
ccgaatgaac ctggagagcg gatgccagca gtggccgagg cgctaggaca ggaaggaccg 240  
ccagacctct caagatcagc cttccccgcc acca 274

<210> 20523  
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<212> DNA  
<213> Homo sapiens

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cccatTTTTT tttattttct ttattatact taaagtcttg ggatacatgt gcagaacatg 180  
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<210> 20524  
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<212> DNA  
<213> Homo sapiens

<400> 20524  
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<210> 20525  
<211> 135  
<212> DNA  
<213> Homo sapiens

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actaacagga ccgta 135

<210> 20526  
<211> 125  
<212> DNA  
<213> Homo sapiens

<400> 20526  
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ctgct 125

<210> 20527  
<211> 248  
<212> DNA  
<213> Homo sapiens

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<210> 20530  
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<212> DNA  
<213> Homo sapiens

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accacgacc atcttcttg aaggaaactt ggggacactt atgaagagaa gactaggaag 180  
gaccggagta gaagcactaa aggaggtaga ggcaacac 218

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<212> DNA  
<213> Homo sapiens

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aat 123

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<212> DNA  
<213> Homo sapiens

<400> 20532  
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<212> DNA  
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cgccactgca ctccggcctg ggtgacagag cgagactctg tctcaaaaat aaaataaata 180  
aattgctctg ctgggtgga 199

<210> 20534  
<211> 221  
<212> DNA  
<213> Homo sapiens

<400> 20534  
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<212> DNA  
<213> Homo sapiens

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<210> 20536  
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<212> DNA  
<213> Homo sapiens

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 cgctacttag cagaccggaa aaggaggtct ccctttcccc aggggagttt agagaagact 180  
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 aggctaacc gtctcctgt gatgctgtgc ttcagtggtc acgctcctac tccgccttca 300  
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<210> 20538  
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 cctaattttt gtatttttag tagagagggg gtttcactat attggccagg ctggtctcga 180  
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 ggaaaagtct gatcagtgag aaatgatttt ttttgtttac tgcctttctca gattgggctc 180  
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<210> 20541  
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 <212> DNA  
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<400> 20541  
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 agtggctggt accgta 136

<210> 20542  
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 <212> DNA  
 <213> Homo sapiens

<400> 20542  
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<210> 20543  
 <211> 83  
 <212> DNA  
 <213> Homo sapiens

<400> 20543  
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<210> 20544  
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 <212> DNA  
 <213> Homo sapiens

<400> 20544  
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<210> 20545  
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 <212> DNA  
 <213> Homo sapiens

<400> 20545  
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 aggaaaattt cctgatcccc ctccgc 86

<210> 20546  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<400> 20546  
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ttgaagagtc	cttcttgatt	gcagtgagtc	actggcattt	ctgaatggat	gtaagtggag	180
tatttttagtc	taaaggcttt	tcaaattact	tgaatttttt	taaaaattga	ggaaga	236

<210> 20547  
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 <212> DNA  
 <213> Homo sapiens

<400> 20547	
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gtccaatata	tctatttttt
attgacaaat	ccaatgatat
actaagaatt	
cttttgttgc	60
gctcttctac	120
	160

<210> 20548  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<400> 20548	
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cacaggggtt	ctatagaagt
ttattggtag	ctgacagtta
ctgtggggag	gaattaggtg
ttgtcctgtc	aatactggag
catttatatta	gctgcatctc
ttctaatttc	tcttttgatt
atttctaaat	gtatgctaca
atgggggttc	tggaatcatt
aagactctct	tctactaagg
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	240
	300
	329

<210> 20549  
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 <212> DNA  
 <213> Homo sapiens

<400> 20549	
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acttgggagg	ctgaggtagg
aagattgcac	caatgcactc
tagcctgggt	
tcattcttta	60
agaatcactt	120
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ccccacat	209

<210> 20550  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 20550	
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tttaacgcag	aaataattac
aattaggtta	atattgaaaa
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agaaatcgcc	aacagataac
ttcaacaaaa	ggaaaggaaa
ctgtcttgaa	aagaccaata
ttacctctca	taccaaagaa
tagaaaagt	atagcttgac
tatcttatac	actgagcagg
tagtttcccc	tatgatgtag
aatggttcaa	tatagaa
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acaacaacaa	caaaatcttc
taaaaaatttc	ctacttaatt
actctaaggt	240
aaacacgggt	300
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<210> 20551  
 <211> 389  
 <212> DNA

<213> Homo sapiens

<400> 20551

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aggaggccaa	gaagaagctg	gccagcgggc	tgcaggcagc	tgaggaacat	gtagaagctg	180
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acctcatgct	tgatgtggag	aggacaaatg	ccgcctgtgc	cgcccttgac	aaaaagcaaa	300
ggaacttcga	taagatcctg	gcagatggaa	acagaaatgt	gaggaaacgc	atgctgagct	360
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<210> 20552

<211> 135

<212> DNA

<213> Homo sapiens

<400> 20552

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tctcatttgc	tgtagcacca	ttgaaaagtc	aaccctcagg	ccaggcatgg	tggtctatgc	120
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<210> 20553

<211> 184

<212> DNA

<213> Homo sapiens

<400> 20553

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ttttccataa	caagactatg	agaacttctt	tagcccttgg	aaatgtggct	tatataattt	180
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<210> 20554

<211> 130

<212> DNA

<213> Homo sapiens

<400> 20554

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<210> 20555

<211> 95

<212> DNA

<213> Homo sapiens

<400> 20555

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<210> 20556

<211> 259

<212> DNA

<213> Homo sapiens

<400> 20556

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gttactcttg	cagatagcat	cactattgta	gaacttaaga	ttggcttttt	ggatgtcctt	120
ccagacgttt	gcatttctga	tgaccaatag	ctccactcag	actcttaaca	ggcctgtgg	180
ccccaccca	gaagcagagt	cagggtaaaa	ggaccgattt	ccatgcccct	atgactgcat	240
ccatagccag	tcagcagca					259

<210> 20557

<211> 84

<212> DNA

<213> Homo sapiens

<400> 20557

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<210> 20558

<211> 306

<212> DNA

<213> Homo sapiens

<400> 20558

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ggtggaaagc	gaacttcatg	ttataataaa	aaataaagta	aattttatac	aaacactaag	120
aagtgatcat	ctaaatctac	agtttagaat	ctgaaaccta	ttcctatgtt	gacatcttcc	180
atggccctac	tccttaattr	ataaattctg	acttacagaa	ggctattttc	tgartccttt	240
catagctgac	attgtggtgg	gtgctgttag	ccatcccttg	atactgacag	cacaatggcc	300
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<210> 20559

<211> 246

<212> DNA

<213> Homo sapiens

<400> 20559

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aagcaataat	ttctcatttt	gttgatcttt	tatatatata	tttttggtca	caattctgtt	120
tagttctgta	ctgatatttg	taattttttt	tttcttctgc	tacctttggg	tttggtttct	180
tcttgctttt	ctggttcctt	aaggtacaat	gttaagttgt	taatttgagt	tttttttttt	240
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<210> 20560

<211> 318

<212> DNA

<213> Homo sapiens

<400> 20560

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ctgatttggg	gaaaggaaaa	cctgaatgaa	taggggtcca	actggctcct	tcagcacaag	180
cacagaaaca	aaaattatat	ggcaggctgg	gcacagtggc	tcacacctgt	aatcccagca	240
ctttgaaagg	ctgaggtggg	cgggatcacc	tgaggtcacg	agttcgagac	cagcctggcc	300

aacgtggcga aaccccaa

318

<210> 20561

<211> 241

<212> DNA

<213> Homo sapiens

<400> 20561

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tgtgtgtgtt	tcttacttag	agtttattaa	acttctcagt	tctatgtgtt	tatatatttc	180
ctttactgtg	aacaattttc	agccattttc	ttttcaaata	tgtctagctt	tccccctctc	240
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<210> 20562

<211> 237

<212> DNA

<213> Homo sapiens

<400> 20562

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gtgaaatcct	gcctctacta	aaaatacaaa	aattagccag	atgtagtggt	gcgtgcctgt	120
agtcccagct	acttaggagg	ctgaggcaca	agaattttgc	ttgaacctgg	gaggtgaagg	180
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<210> 20563

<211> 287

<212> DNA

<213> Homo sapiens

<400> 20563

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gtgaccttgt	gatccgcca	ccttggcctc	ccaaagtgtc	gggtttacag	gcgtgagcca	180
ccgcgtctgg	cccctggcta	gtctcaaaca	cctgagctca	agtaatctgc	ctgctttggc	240
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<210> 20564

<211> 319

<212> DNA

<213> Homo sapiens

<400> 20564

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caggagtttg	agaccggcct	ggccaacatg	gagaaaccct	gtctctactt	aagatgcaaa	180
attagctggg	tgtggtggtg	catgcctgtg	gtcccggtta	ctcagagggc	tggggcagga	240
gagtcacttg	agcccgggag	gtggagggtg	cgggtgagccg	agatcacagg	cctgcaccca	300
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<210> 20565

<211> 339

<212> DNA

<213> Homo sapiens

<400> 20565  
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<210> 20566  
<211> 277  
<212> DNA  
<213> Homo sapiens

<400> 20566  
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tgcagggagg gcgcagagcc caccgaaggg hbgaatcaag gaggagaaga aaccccagaa 180  
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gtactttgct tctttcaata aacctttgcc tctgctc 277

<210> 20567  
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<212> DNA  
<213> Homo sapiens

<400> 20567  
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<210> 20568  
<211> 305  
<212> DNA  
<213> Homo sapiens

<400> 20568  
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cttgagccca ggaggcggag gttgcagtga gctgaaatca cgccactgca ctccagcctg 180  
ggcgacagag tgagactccg tctcaaaaaa aagaaaacca ggaagttaac attgataaac 240  
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ctggt 305

<210> 20569  
<211> 240  
<212> DNA  
<213> Homo sapiens

<400> 20569  
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tcacaggagc aggaaggaac tggcaggtgt ctgtcacctt atcatcccg acaccatgtt 180  
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<210> 20570

<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 20570  
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ctccgacc 128

<210> 20571  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 20571  
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<210> 20572  
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<212> DNA  
<213> Homo sapiens

<400> 20572  
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attagaccat ccagttcaaa tcctggctgt gccacttagg ggctgtgtga ccttgggcaa 180  
gtgacttaac ctctctgggc ttcactttcs tgatctgcaa aatgaacctg ataataacac 240  
ctacctttta aagttattgt aaagtgttag gcacagagca ggtgctacat atgctagcca 300  
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<210> 20573  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 20573  
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**SECRET**

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gacctggcct ctctggcct gtttcttaag atgcggagtc acatttcaat ggtaggaaaa 240  
gtggcttcgt aaaatagaag agcagtcact gtggaactac caaatggcga gatgctcggt 300  
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asctctgcc tccgccccag c 141

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<400> 20634

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 ggacggtgtg tccccactg cactcctgaa cttggaggac agggtcgccg cgagggacgc 180  
 agagagcacc ctccacgccc agatgcctgc gtagtctttg tgaccagtcc gctcctgcct 240  
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 taaggaaggc cattccaact tttctcttca gcaagagcat gagagcttct cttcaattct 180  
 tggcaaagcc caagataaat ctcttcattt actgtctcat ttgggcttca tattgtctta 240  
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 tataat 306

<210> 20638  
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 <212> DNA  
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 gaaatggaga atccaaggaa ggaactatct aagggggccg ggagaaagga tccaggaatt 180  
 gtgtcttgcc ttttagccaa ccagtcagct tggtaaagaa ggcatttaga tacacgagta 240  
 cagagctgag gtcaggagt gagatacata aatttggaga gtc 283

<210> 20639  
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 <212> DNA



<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 20644  
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tgaagagaag tgtctttatt ttaccagtct aacttaccct tggccgaatc 110

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<212> DNA  
<213> Homo sapiens

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gtcccgccctg cacctgagcc agttcaacag catgagcgcc ttgcacgaga tctactccta 180  
catcaccgta 190

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<212> DNA  
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<400> 20646  
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ccctggagag ttgtacacat gttgaaatgt aatctgggct tacctgatcc atttggagtg 180  
gatgtcactg ccgagtctgt tctcacatgg aaccatgtgt gtgggggttg cagcctcaca 240  
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caggagaatc gcttgaacct aggaggcaga ggttgcggtt agccaggatt gcattgcact 180  
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<210> 20648  
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<400> 20648  
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<212> DNA

<213> Homo sapiens

<400> 20649

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<210> 20650

<211> 109

<212> DNA

<213> Homo sapiens

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<210> 20651

<211> 162

<212> DNA

<213> Homo sapiens

<400> 20651

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gctggggggg ttctggcatg gtgacttgcc tctgggacc ag 162

<210> 20652

<211> 160

<212> DNA

<213> Homo sapiens

<400> 20652

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<210> 20653

<211> 295

<212> DNA

<213> Homo sapiens

<400> 20653

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ccaaagtggg aggattgagt gaggccaaga gatggaggct gcagtgagag cctaggtgac 240  
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<210> 20654

<211> 130

<212> DNA

<213> Homo sapiens

<400> 20654

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<210> 20656  
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<212> DNA  
<213> Homo sapiens

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<210> 20659  
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cttaatgtga	aatgatgaga	agcacaactc	cagtgtgtct	ctttgtgtag	aatgtsagca	180
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tca						243

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tagctgtgca	agaactgctt	gacagagagg	ccttggaaaa	ggtaaatatt	ttactcttcc	180
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atcctgaaac gtttaagcata tgctcctttg tgaggcttgc ctggctgaac ttgaactgga 240  
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<212> DNA  
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<213> Homo sapiens

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<213> Homo sapiens

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<210> 20681

<211> 142

<212> DNA

<213> Homo sapiens

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<210> 20682

<211> 329

<212> DNA

<213> Homo sapiens

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<210> 20683

<211> 153

<212> DNA

<213> Homo sapiens

<400> 20683

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<210> 20684

<211> 185

<212> DNA

<213> Homo sapiens

<400> 20684

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<213> Homo sapiens

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<400> 20693  
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<211> 160  
<212> DNA  
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<400> 20694  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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tggtgagac ttgtgatccc aagcactttg ggaggccaag gaggggtgat tgcttgagtg 240  
caggagtcca agaccagcct gggcaacatg gcgaaactct gcttctacca aaaaatgatt 300  
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<212> DNA  
<213> Homo sapiens

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<210> 20699  
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<212> DNA  
<213> Homo sapiens

<400> 20699  
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151

<210> 20700

<211> 362

<212> DNA

<213> Homo sapiens

<400> 20700

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ggtagtgaac	atagtacctg	gtaggtagtt	tttccgtccg	tgctctcctc	cctctckact	300
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<210> 20701

<211> 88

<212> DNA

<213> Homo sapiens

<400> 20701

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<210> 20702

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<212> DNA

<213> Homo sapiens

<400> 20702

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gcagggactg	ggccctgtgt	ttcctggccc	tggttctctc	atttccttcc	tcttttaata	180
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<211> 375

<212> DNA

<213> Homo sapiens

<400> 20703

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cgacaatcct	tagcaaatgc	aarttaatgg	aactcrtacc	aaacacactc	ttggaccatc	180
acacagtaaa	aatagacatc	aagactttta	aaaattgctg	aaaaccatgc	aattacatgt	240
arrttaacct	gctcctgark	gacttttggg	ttaaataata	gttaaagcar	taragtarag	300
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<212> DNA

<213> Homo sapiens

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atagagtgtt gggagaaaaa ggctgaggat agtaagttta agagagaata aaaggagagg 180  
aattgcaggc agagaataga agcgtttttc atggagtctg ttgcaaata ggaccaaaga 240  
aatgaggagg ccg 253

<210> 20705  
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<212> DNA  
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<400> 20705  
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agaaccatc 249

<210> 20706  
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<212> DNA  
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<400> 20706  
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taggattctt gagtgtctgc ctgtggttca gaatgtacct agaactctct catttaatcc 180  
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<210> 20707  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<400> 20708  
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<210> 20709  
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<212> DNA  
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tgcatctgtg tgtgtgtgtg gtgtgtctgt tgtatgtgtt gtgtgttgtc atgtgttgtg 180  
tcacatgggt tgtgtggtgt gtcac 205

<210> 20711  
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<212> DNA  
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<400> 20711  
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<210> 20712  
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<400> 20712  
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<210> 20713  
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agtatcagct ttattgagct gatatttgag caaagtttta agggagttag aagttaacca 180

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<212> DNA  
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<400> 20714  
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ggactgcaga catgtgccac tatgccagc taatttttac atttttgtag agacatggtc 180  
tcactatatt gcccaggctg gtctcaaact actgacttca agtgatcccc ttgcag 236

<210> 20715  
<211> 134  
<212> DNA  
<213> Homo sapiens

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<210> 20716  
<211> 168  
<212> DNA  
<213> Homo sapiens

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<210> 20717  
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<212> DNA  
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<400> 20717  
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<210> 20718  
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<212> DNA  
<213> Homo sapiens

<400> 20718

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acatttcctt	cttggcctac	tgcacaggag	tgtaggtaga	tattgttaac	ttcattttgt	180
agaagagtac	atttaagtca	tagagttcct	agatggccct	acgggacaca	cttacttaaa	240
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<210> 20719  
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gcatggtagc	gggcacctgt	ggtcccagct	actcaggagg	ctgaggcagg	agaatggtgt	180
gaaccagaa	ggtgggggtg	cagtgaagctg	agatcgcacc	ac		222

<210> 20720  
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 <212> DNA  
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 <212> DNA  
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gagaagcaac	actgttttagc	aagggtcagc	aacctctcaa	ggcctcaatg	ccacagctgc	120
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aaagggccga	t					191

<210> 20722  
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 <212> DNA  
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<400> 20723

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gaaa	actctg	acaataaata	ttctag	ttaa	aaatat	gggc	tatggcacag	tg	ggcccatgc				180
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 <212> DNA  
 <213> Homo sapiens

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accat	agagc	tcga										134

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 <212> DNA  
 <213> Homo sapiens

<400> 20725												
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gcctag	ttca	tgat	cacatc	ccact	tagctg	tgaca	aaaaac	aaaaa	acgtg	agava	aataaa	180
agat	cagaga	agcc	agaggc	tg	ggaataat	taag	aggtat	atg	gttctct	gtatt	tacag	240
aacatt	aggg	aagc	agtaca	gctt	atggtw	rma	atcacag	cct	caagttg	gact	cacttg	300
gggt	tcaa	at	ccctccc	ctg	acatt	tattag	atgact	gggc	aagt			344

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 <212> DNA  
 <213> Homo sapiens

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ccact	ctttt	ctg	gcttgta	ggg	tttctgc	agag	agatct	gct	gttagtc	tgat	gggctt	300
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<210> 20728  
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<212> DNA  
<213> Homo sapiens

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caacagtccc cagagtgtga tgttccccctt cca 153

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<211> 88  
<212> DNA  
<213> Homo sapiens

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<211> 124  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<210> 20732  
<211> 373  
<212> DNA  
<213> Homo sapiens

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aacaccagaa agtttagact ggagaaaggc cttagactgt cgctgaatca atatgacctg 180  
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<210> 20733  
<211> 384





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 <212> DNA  
 <213> Homo sapiens

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tggtattact	atTTTTtata	acgtcagaga	cctaatagtg	aagaatgact	agtcattttt	240
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cctt						424

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 <212> DNA  
 <213> Homo sapiens

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ggcagaatgt	ctgcattgtt	acaccatata	gctcaaacct	cagaagattt	tgggttaagc	180
agttatcatt	agtctgcaaa	tgatcgtgtt	ttcacctgat	cattagaaac	taatgaaaca	240
ccttttaagt	cttatgaatt					260

<210> 20742

<211> 134

<212> DNA

<213> Homo sapiens

<400> 20742

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tgtcatccct atctatttcc aaagcttttt catcacccaa acagctctat acccactaaa	120
caacaactcc aaac	134

<210> 20743

<211> 75

<212> DNA

<213> Homo sapiens

<400> 20743

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<210> 20744

<211> 420

<212> DNA

<213> Homo sapiens

<400> 20744

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gccacttca cggaggagca aatggaggcc caggccgtca ttgtgcacgg acacaccata	180
ggccgtacag agccgggagt gggaccctcg cagtgtagcc cagagccccc aacccccacc	240
agtggagagc tctgcatca tgtgatcgag cttgtgcata aataaagcag gagtttctac	300
acaatcctgt gtgggtggaat ctcggttagc tctgaggaat gtaattatct tccataatta	360
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<210> 20745

<211> 101

<212> DNA

<213> Homo sapiens

<400> 20745

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<210> 20746

<211> 167

<212> DNA

<213> Homo sapiens

<400> 20746

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ttagccagga tggctcgcgt ctctgacct catgatccac ccgccac	167

<210> 20747

<211> 387  
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tattaaccct ttgtcagttg agcagatcac ttgaggtcag aagtttgaga ccagcctggc 240  
caacgtggca aaacaccatc tttactaaaa ataaaattaa aagaaaggcc gggcgtgggt 300  
gcttacatct gtaatcccag cactttggga ggctgaggca gggggatcac aaggtcagga 360  
gattgagacc atcctggcct acatgat 387

<210> 20748  
<211> 80  
<212> DNA  
<213> Homo sapiens

<400> 20748  
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gtagagcacc gaaaaccac 80

<210> 20749  
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<212> DNA  
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<400> 20749  
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gagaggcccc cagggccagc atcctggccc atgccttatg gaaggccaga ctagaagccc 180  
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cttcccataa tcctggagct ggga 324

<210> 20750  
<211> 221  
<212> DNA  
<213> Homo sapiens

<400> 20750  
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aacccgacaa actatgtgga ttatctgtac actgataact aaaaagcatt gctaagaaaa 120  
attaagacct aagtaaatat cttgttgata gggtgagaga ctcaacattg ttgatgttaa 180  
ttctttccca tattaatcta tagatataat gcagtcccc g 221

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<212> DNA  
<213> Homo sapiens

<400> 20751  
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caaaacatat aaggggatgc tgtcacttaa tcccagagga gaaaaattaa acaggacagt 180  
cctttaacaa tgattgataa agattaattc ttaatctgat ttacatttta aaacagtact 240  
ataccgaaaa attaa 255

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<212> DNA  
<213> Homo sapiens

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gctgggttgag taaattttaa tcccagtttc ttctaaagga gatctctgga aacaaatttt 180  
tgggttttgg gtgcagtaga gattcctact attattatta attcatgtcc ttctgcagct 240  
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ctacgttact ggcataaata tcttcacact 450

<210> 20753  
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<212> DNA  
<213> Homo sapiens

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gggcgacaga gcgagactcc atctcaaaaa aaaaaaaaaa aaa 163

<210> 20754  
<211> 267  
<212> DNA  
<213> Homo sapiens

<400> 20754  
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cctacctatc cccaacagt tcagtgtaga ttctttgata ccttttgatc tactaagtct 180  
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atgtggtcag atcttttctc cccaac 267

<210> 20755  
<211> 182  
<212> DNA  
<213> Homo sapiens

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tctgagaatg attctgtcta gtttttatac gaagatattt ctttttctgc ctttggcccc 180  
aa 182

<210> 20756  
<211> 272

<212> DNA  
<213> Homo sapiens

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<210> 20757  
<211> 186  
<212> DNA  
<213> Homo sapiens

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<210> 20758  
<211> 323  
<212> DNA  
<213> Homo sapiens

<400> 20758  
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<210> 20759  
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actggccagc tctctgtaca tttcagcctg ggacaggctg tgtctaaacg tttcatttgc 180  
attccagcta ttcacagggc cagtccagcc tcagttttcac ttcacagctc cctttggcct 240  
aacttgcccc catccccagg ctgtgggggt cgccctcccc 279

<210> 20760  
<211> 281  
<212> DNA  
<213> Homo sapiens

<400> 20760  
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tggtgtgtgtt acagctaaaa gttatagagt gctttctagg tgccagacac tgttttgacc	180
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<210> 20761  
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 <212> DNA  
 <213> Homo sapiens

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attccatctc aaaaaaaaaa aaaaaaa	147

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<210> 20765  
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 <212> DNA

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<210> 20766

<211> 97

<212> DNA

<213> Homo sapiens

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<210> 20767

<211> 155

<212> DNA

<213> Homo sapiens

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<210> 20768

<211> 166

<212> DNA

<213> Homo sapiens

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attggtattc atcttgccag ggcttcacc aaatgcctgc cacaga	166

<210> 20769

<211> 90

<212> DNA

<213> Homo sapiens

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<210> 20770

<211> 146

<212> DNA

<213> Homo sapiens

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<210> 20771  
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<210> 20772  
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<212> DNA  
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<210> 20776

<211> 209

<212> DNA

<213> Homo sapiens

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<210> 20777

<211> 308

<212> DNA

<213> Homo sapiens

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<212> DNA

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<211> 159

<212> DNA

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<212> DNA

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<212> DNA

<213> Homo sapiens

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ctatggaaag	tgagggcaga	cacaaccaca	gttggcaggg	agaacagcca	agccgca		177

<210> 20782

<211> 461

<212> DNA

<213> Homo sapiens

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<210> 20783

<211> 172

<212> DNA

<213> Homo sapiens

<400> 20783

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<211> 110

<212> DNA

<213> Homo sapiens

<400> 20784

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<211> 129

<212> DNA

<213> Homo sapiens

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6817

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

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# OSI 2500

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<210> 20867

<211> 177

<212> DNA

<213> Homo sapiens

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<212> DNA

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<210> 20869

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<212> DNA

<213> Homo sapiens

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<212> DNA

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ctactcaact	tgtaaaaacc	taaattctca	aatgtcttcc	tttcgatcac	agtttcctgt	180
tcttcaagct	tatcacccag	ttaattcaca	ctatagataa	tctttgaaca	cagagcgtgc	240
tccaggctgt	gatcttcata	tccttactta	cccagcccag	cttctgtagt	ccatggagtt	300
aactattctc	tttaattccc	ttaacccatt	gtccttctgt	cacatagggt	tgtcatacag	360
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<210> 20917

<211> 346

<212> DNA

<213> Homo sapiens

<400> 20917

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tttggtgtct	ttatgtcagt	ttttcagctt	tcccattgct	ttacaaagtt	actttatgct	180
cttttaaaaa	tttaaatgtw	ttggctgggt	gcagtggctc	acacctgtag	tcccagcact	240
ttgggaggcc	aaggcaggmg	gatcacttga	ggtcaggagt	tcaagaccag	actggccaac	300
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<210> 20918

<211> 236

<212> DNA

<213> Homo sapiens

<400> 20918

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tgtccacgta	gagctcccc	agaagctggc	ggacagtctt	ctcactcttg	agcgaggcct	180
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<210> 20919

<211> 141

<212> DNA

<213> Homo sapiens

<400> 20919

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agcgtctatg	gtcagttgcc	ttagaagtgg	tgagatggga	agctgcagtk	ggaagaccct	120
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<210> 20920

<211> 262

<212> DNA

<213> Homo sapiens

<400> 20920

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gtgatgttaa aaatgtgtgg ggcactgggg gagaggaagg ccaggtggag aaatacatgc 180  
agttaaataa cttttttatg atagattcgc tgattactca gtgatgactt tattgccaat 240  
gatgctccaa tataactggc cc 262

<210> 20921  
<211> 132  
<212> DNA  
<213> Homo sapiens

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agtgtgacc ac 132

<210> 20922  
<211> 93  
<212> DNA  
<213> Homo sapiens

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ccatttaaaa aaaaatcagg tactcatggt attacaatat gccagggggt ggacaaatgg 60  
atTTTTTacc cttttttaaa ggggttatgta aaa 93

<210> 20923  
<211> 118  
<212> DNA  
<213> Homo sapiens

<400> 20923  
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ccaaaccccg aaacgaaccc ttccggtccg ttctggctg tttgaatgcc atctgccc 118

<210> 20924  
<211> 198  
<212> DNA  
<213> Homo sapiens

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attgggcaga agaatgtatc acttcagccc aaggcaatta agtgtagtg tcaatctttt 180  
ccctctcccc taccacca 198

<210> 20925  
<211> 174  
<212> DNA  
<213> Homo sapiens

<400> 20925  
gctgtagtgk tgttcttatt ttctggttct ttgttgatct tctagttgtt ctatccctta 60  
ttgaaagtgg ggtactggag tctccaactg acatactttt ctttttagctt tttatTTTgg 120  
aaaatttcaa acatatatga aagaagagat aatgtactta ctcatcacc aggC 174

<210> 20926

<211> 288  
<212> DNA  
<213> Homo sapiens

<400> 20926  
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ggttatttgt gcttactggg tcttcttctc cttttatttt agatacagaa ggtccatgta 180  
cagatttgtt acatgaaaat attgcatgag gctgggggtt ggagtacaga tcctgtcacc 240  
tagttagtat agtacccaat aggtagttgt ttttaacca ccccccacg 288

<210> 20927  
<211> 455  
<212> DNA  
<213> Homo sapiens

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agatctttta tggaatagct aagcatatat cttctcccat cctcctttta gacttgagta 180  
ggcaatgtaa ggactagaac tgtgtcctgc tcactattgc accttccttg aggggcacag 240  
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ggatatctct atgtcaccca ggctgggtctt gagcttcttg cctcaagtag tcccctgcct 360  
taacctccca aagcactgga ttataggcat gagckaccat gcctcgcta aaagtagtkt 420  
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<210> 20928  
<211> 154  
<212> DNA  
<213> Homo sapiens

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agtctaactt tttaaacctt tagtattgtt tgaattttta taactatgca atacatttgt 120  
aatcaacaca cacacacaca cacacacaca caccg 154

<210> 20929  
<211> 91  
<212> DNA  
<213> Homo sapiens

<400> 20929  
aaagactata ctttcagggg tcatttctat agtgtgttac tagagaagtt tctctgaacg 60  
tgtagagcac cgaaaaccac gaggaagaga g 91

<210> 20930  
<211> 291  
<212> DNA  
<213> Homo sapiens

<400> 20930  
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gctcgcgcac ggtgcgcaca cccactgacc tgccccact gtctggcact ccctagttag 120  
atgaaccggt tacctcagat gcaaattccag aaatcacccg tcttctgcgt cgctcacgct 180

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gggagctgta gaccggagct gttcctattc ggccatcttg gctcctccaa aaaataccag      240
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<210> 20931
<211> 248
<212> DNA
<213> Homo sapiens
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aaattcctgt	cctcaagtga	tctccctccc	aaagtgttgc	gattgcaggt	gtgagccact		180
gcacctggct	gggtaggaaa	gtgagactct	gtcgttgtac	aaaaaataaa	tgagtkasgc		240
aaqgtggt							248

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<210> 20932
<211> 123
<212> DNA
<213> Homo sapiens
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gac                                                    123
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<210> 20933
<211> 93
<212> DNA
<213> Homo sapiens
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gtagagcacc gaaaaccacg aggaagagag gtc                                     93
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<210> 20934
<211> 142
<212> DNA
<213> Homo sapiens
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ggtccagctt aatacaagca ggatagccag taagaatccc cactttgggg aatcgcggt      120
tctgtcctct caccctcga cc                                142
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<210> 20935
<211> 174
<212> DNA
<213> Homo sapiens
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ggggaaatcc agtcctgttt actccatttt ggccagaaat tcaagacatt tcaggtggca      120
qaataaattc aatccttggt tctccatctt atcgagtagt agaagttagt taca      174
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<210> 20936  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<400> 20936  
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 aggctgaggc gggcggatca cctgaggtca ggagttcgag accagcctgg ccaacatggg 120  
 gaaacccctc tctgctaaga acataaaaaat tagctgggca tgggtgttgca cgcctataat 180  
 cccagctatt ggggaggctg aggcagaaga attgcttgaa cccgggaggc ggaggttgca 240  
 gtgagccaag attgtgccta cattccaacc tgggcgacag agcaagactc tgtctcaaaa 300  
 aaaaatagta agtkgtgtaa agaaaaatat taattatata atatggcaga a 351

<210> 20937  
 <211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 20937  
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 cactggcctt tagccagggg aggctcagcc agcaggataa aatttcaggg cagatttacg 120  
 ggaagcac 128

<210> 20938  
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 <212> DNA  
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<400> 20938  
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 agatgaagat gtgtcttgct tgaataatct ttcttgatg gcctttgtat ttggagtaat 180  
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<210> 20939  
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 <212> DNA  
 <213> Homo sapiens

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 gaatgaatga gccaatgagt ccttcgatcc tggcactgtg ctaaagcacc agcctcaccg 180  
 aatgaataa gccactccag gacaggagac accccagcca cccagaatct catagcgag 240  
 tgccagacaa gcagtgcgaa ggcatgggag ggcagcactc aggcaggagg gctggcactt 300  
 gtgcctgtcc tcaggttgtt ccttcctctg ggagctgcat ccaccttgct agccccatgg 360  
 ggcattgcta gcccttctaa gggctggacc aagcctggac aaacctcctt ttcttgaat 420  
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<210> 20940  
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<400> 20940  
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gggagggggac agtgctgggc gccaccgcca agtccctcag gtggctctga gtgcaagtct 180  
gccccaatgc tcccttgac tcctcataaa cccccgct 219

<210> 20941  
<211> 174  
<212> DNA  
<213> Homo sapiens

<400> 20941  
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tgagattttt atctcacagg aattcagtta taaaaataaa atacagcgtc tggcttgatt 120  
cagctaaatg tacaagcact aggggtgttt taatttaaca gagaagctgg cacg 174

<210> 20942  
<211> 424  
<212> DNA  
<213> Homo sapiens

<400> 20942  
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cagctcaagc aggcctctgg ccactttatc atctgtggtg gtcctgtgcc gtgaccagga 180  
ggaaaaatta gctctttgaa gagaaagtag ttctctattg caggcactgg cctcttaaat 240  
tggtgcaggt ggggaatgga tgagaatatt tgttttgggt gatcagaact gagactccta 300  
ttgtggatta gtaacatgcc tcctcctaga acaaggagg gcagggatcg ccgagaccac 360  
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cgtc 424

<210> 20943  
<211> 273  
<212> DNA  
<213> Homo sapiens

<400> 20943  
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aacaaaaacc actattatta ttattattat tattattatt attattgtgg ttcttttaga 180  
aatttcctct cagagtgttt tatatgatta ggggcattca gattgttttt aacttttttc 240  
tcgtcatgtg aaacaactct tcctaaggta caa 273

<210> 20944  
<211> 257  
<212> DNA  
<213> Homo sapiens

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ataaaaagta agcaaaccac tagcaaggta atttcacct gattgattca aactgaaaaa 120  
atattaacat ttctccattg gaagttggat tcatggattg gcctcatgct gcattcaagg 180  
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agatgttccc cgccgt 257

<210> 20945  
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 <212> DNA  
 <213> Homo sapiens

<400> 20945  
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 agtgattaca ggcgtgagcn accgcgcctg gccactatctt cttttttcct ttagacagag 120  
 tgtcactctg tctcccaggc tggagtgcag tggtagatc ttggctcact gcaaccacag 180  
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 ccaccacaac 250

<210> 20946  
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 <212> DNA  
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<400> 20946  
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 atttttctat gtatgaagaa atgtttttat aaaaatgaga tcataacaac atactgtttt 120  
 gtaatctgct tttttcattc aaaaaataca ttgtggccc 159

<210> 20947  
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 <212> DNA  
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<210> 20948  
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 <212> DNA  
 <213> Homo sapiens

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 ccaaagtgcg gggactatag acgtgagccg ccct 214

<210> 20949  
 <211> 79  
 <212> DNA  
 <213> Homo sapiens

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 gtagagcacc gaaaaccac 79

<210> 20950  
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<212> DNA  
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gggaggc 67

<210> 20951  
<211> 82  
<212> DNA  
<213> Homo sapiens

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gtagagcacc gaaaaccacg ag 82

<210> 20952  
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<212> DNA  
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acctatggg cctccttctc tgggtgcacca ggaaggacta c 161

<210> 20953  
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<212> DNA  
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<212> DNA  
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ctttgctttg cattggaagg aggggtgcg 148

<210> 20955  
<211> 81  
<212> DNA  
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accagatgtt tgaggaggcg g 81

<210> 20956  
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 <212> DNA  
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 agccgccatg cagggtcgaa cggat 325

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 ctatcctctc atttataggt gaggaaatta aggaccagag aa 162

<210> 20958  
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 <212> DNA  
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 aacgcggatt cgttcaaggg atgaggtggg ttgggggtgtt tggacctcca cagctcacat 180  
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 <212> DNA  
 <213> Homo sapiens

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 wtcttgcttt tctgckbbcy ggtatgtgag gacacagcaa tgaggcacca tctgggaaac 360  
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<210> 20960  
 <211> 212  
 <212> DNA  
 <213> Homo sapiens

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aatttccacc gcggccaatt catggacagg aactacccca gcgccggctt cggggacccg 60  
ctcggcgccg gggcgggatg gagttacgag aggtcagcga aastagcttg gtttatggca 120  
gctccaggac ctcgcacccc gagacggaca tcttacaccg ccaggcctat gcggccccc 180  
acccactgca aagctatgcc accaaccacc ac 212

<210> 20961  
<211> 178  
<212> DNA  
<213> Homo sapiens

<400> 20961  
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agccttccat gggctctccac tgtgtctgag ctacttccag aatctgacat gcagtctgaa 120  
gtcagcctcc atgggacaga ctcagctcat ctcccatggt tcttccacag cccatgac 178

<210> 20962  
<211> 101  
<212> DNA  
<213> Homo sapiens

<400> 20962  
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<212> DNA  
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<400> 20963  
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tcggccacca agggggaaaa gcggccgcga tctcaaacca aacacaagaa ttggcgtgtg 180  
actcatctgc ttggatacct ccagtcacca aactgtgttc caggagtctt cttggccgaa 240  
gctgcccgat gtttgagcct tttcttccca gagaagaaga tggactgaaa gctgccagtt 300  
ggggactttt tgtgatcacg gcgttgacgc gttttaaagg aggtgatggg gcttgcgctg 360  
gcttgtcttc ccaccaagt gaagagttga tgttcactgg ttatgcttag acaatgtgca 420  
gtttgtgtta atttaaaatt tt 442

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<212> DNA  
<213> Homo sapiens

<400> 20964  
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gggagcgcac tgtgtacaad cagaggcggc gtgcgtcctt tggaaggaat tgggcatga 180  
gaagagccct catgaatggg attagttccc ttataagaag agacaccaag gaagtgatct 240  
ttctctgccc tctgca 256

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<211> 391  
<212> DNA  
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<400> 20965  
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agacacagat gagcagttgc ggggtcgttc gctgctggat gtgggctagg agacccttg 180  
tttggggatt atgaaggcag cctccttttc ttccctgggc tctggctgct gttttcccag 240  
tvatacccat catggtctgc cctgtccagg tgttccatgt ggggagtatt gatgtggtgc 300  
ccagcctttg aactgttaac aacaccctgc tcamagccag aaatgtgggc cccamatcct 360  
tctttcaact gtatgaatac ttcagagggc t 391

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<211> 95  
<212> DNA  
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<400> 20966  
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<212> DNA  
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<400> 20967  
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gtatcaggcc ttgttataaa taagctgcat aatcaataaa tagaacaagg gactttttgt 180  
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<210> 20968  
<211> 196  
<212> DNA  
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<400> 20968  
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ttcctccct gccgc 196

<210> 20969  
<211> 290  
<212> DNA  
<213> Homo sapiens

<400> 20969  
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tgtgcaagat tatttcagag caaggctgtg cgggtgtgtg agaagatgaa cagactagcc 180  
actttgcatt gactggaaac aatggcattt acagaaagag tcaacagcag tggcaacagt 240

ttgtacaatg acgacagaaa cctgcttcga attagagaga aggaaaggga 290

<210> 20970

<211> 376

<212> DNA

<213> Homo sapiens

<400> 20970

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aaattcctcc	cctgactctt	gctttgctta	tgcaatctcc	attcaatttg	gctagtacat	180
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caagtaagac	cttccatgat	ctctgcttct	ctgaaaggag	aaggttgga	tttatgtaac	300
ctagagagaa	ctgaaatgac	cttggaatct	tccagtttgc	agtttgtaca	gcctaccttt	360
aagtttcgtg	ggctct					376

<210> 20971

<211> 132

<212> DNA

<213> Homo sapiens

<400> 20971

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tcctcccca	cc					132

<210> 20972

<211> 101

<212> DNA

<213> Homo sapiens

<400> 20972

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<210> 20973

<211> 119

<212> DNA

<213> Homo sapiens

<400> 20973

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<210> 20974

<211> 191

<212> DNA

<213> Homo sapiens

<400> 20974

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cagtggcatg	ttcatagctc	attgcagcct	tgaactcctg	ggttcaagcc	atcctcccgc	180
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<210> 20975  
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<212> DNA  
<213> Homo sapiens

<400> 20975  
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ttgtaaaagt ggaggcattt gttcatattg acattagctg cctctgtatc tctcgggtgg 180  
acagatgggc t'gtgaataaa gacatcaagc taataggcaa gatgacaagc ttcaatggag 240  
ccaaggctcc tcacacttaa atggcagggc agc 273

<210> 20976  
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<212> DNA  
<213> Homo sapiens

<400> 20976  
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atccaaggcc gcga 134

<210> 20977  
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<212> DNA  
<213> Homo sapiens

<400> 20977  
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ccgccgccac agctagccac cctctcccca gactggcccg aagagaggaa aagtgtggaa 120  
gtccacaagc cgccccgcc ccgcc 146

<210> 20978  
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<212> DNA  
<213> Homo sapiens

<400> 20978  
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<210> 20979  
<211> 385  
<212> DNA  
<213> Homo sapiens

<400> 20979  
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aagggagaag tcaagctggg gcctggatca cgcaaaccct cctccccctt ttggctccta 180  
aataagatgg ctacaagggt aaaagctaca tgcctccctt gtattttgcc cacaaggaaa 240  
ttcttagtga gctgcaagat cttttaagggt gtttctgtta acatttcacc atgacaacgt 300  
aaattcaaag cttatcatta cagacgcagy nccccccgc ccaccagaca caaatgcata 360

tgggattgtt ttgctgcccc atttt 385

<210> 20980

<211> 204

<212> DNA

<213> Homo sapiens

<400> 20980

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ctctttaaac caagggccct gagccatggc tcttcccggg atccaccttc tctcaggctc	120
aacttgccct ggaccctgtt cctgtggatc cttgaggagc cctcctgggc ctgtgactga	180
taaacccttc cccctgccgc ccca	204

<210> 20981

<211> 194

<212> DNA

<213> Homo sapiens

<400> 20981

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tgtttgctgt gagccactca tccaccacag tgggaagcag ttcactgtca cccactcttt	120
catctctgtt agaacatgtt cactgtcaac cactcatacc tcacagtga aacctgttca	180
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<210> 20982

<211> 102

<212> DNA

<213> Homo sapiens

<400> 20982

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<210> 20983

<211> 259

<212> DNA

<213> Homo sapiens

<400> 20983

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catgtagtgt agcagttttg agtgagattc ttaatcctga gttctagttt gattgcactg	120
tggctcttaga gacagtttgt tataatttct gttattttac atttgctgag gagagcttta	180
cttccaagta tgttgtcaat tttggaatag gtgtggtgtg gtgctgaaaa aatgtatatt	240
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<210> 20984

<211> 125

<212> DNA

<213> Homo sapiens

<400> 20984

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cgctg	125

<210> 20985  
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<213> Homo sapiens

<400> 20985  
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gatggggggc ttgtgcttag atta 144

<210> 20986  
<211> 331  
<212> DNA  
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<400> 20986  
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agatattagt catatttatt aagtgcaca cagtaatact gaaggcactt atttctcaag 180  
aaacatcatt ttttccaaaa aagaacatac tacatcctaa acatgaratg araataagct 240  
ttaattttca ccacaggagg gcgacagtca gagaactgag gtagtacaga tccattagag 300  
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<210> 20987  
<211> 266  
<212> DNA  
<213> Homo sapiens

<400> 20987  
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tcgggtgctga aactgagcct ggaggggtgg ttctttccac tcaaactaat ctatatgtga 180  
aagagatgag ctttcaaaca cagaaccaca cccctcttgc tttttatgac attaccctgg 240  
tatttcccat ggagataatg gatgct 266

<210> 20988  
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<212> DNA  
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<400> 20988  
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acaaggtttc acaaggttgt gaaattgaat gagaaataca tggcacttta acaagtggca 180  
ggatagttca gacggtttca caaggttgtg aaattgaatg agaaatacat ggcactttaa 240  
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<210> 20989  
<211> 468  
<212> DNA  
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<400> 20989

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cagtacagtc	agggaatttc	taagcatcag	ttttctcagg	tagaaaatgg	agaggatatt	180
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cacacagcaa	gtaccacag	agccagctca	gggcagcaca	tctcggggag	aaggccagcc	300
acggtgtccc	tgcagtgacc	tcctggagmn	gggccwracc	ccacctcaat	ctctgccgaa	360
gactcaaccc	aggaggggtc	tgtttgggct	caaaaaagat	cataaacgac	atggaagcca	420
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<210> 20990

<211> 320

<212> DNA

<213> Homo sapiens

<400> 20990

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agtgacaaag	cagccgagga	ttaaccctgc	tcctgggtcc	tacgtctgtc	cagggagctg	180
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ctgggcgcct	actacgtgct	gggcgtgggg	tcaaagtgc	ccagagttcg	cgcccgtgcc	300
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<210> 20991

<211> 293

<212> DNA

<213> Homo sapiens

<400> 20991

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ttcagcccg	agtctgaaaa	aggggagcgc	ggagaggagg	ctggaagagg	aagatgccta	180
gcacagacct	tctgatgttg	aaggcctttg	agccctactt	agagattttg	gaattatact	240
ccacaaaagc	caagaattat	gtaaatggac	attgcaccaa	gtatgagccc	tca	293

<210> 20992

<211> 376

<212> DNA

<213> Homo sapiens

<400> 20992

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acctaaggtc	aggagttcaa	gaccagcctg	accaacatgg	agaaaccccg	tctctactaa	180
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gaggcaggag	aatcgcttga	acacaggagg	cagaagttgc	ggtgagccaa	gattgcactc	300
cagcccgggc	aagaaaagtg	aaactctgtc	tcaaaaagaa	gawaaaaaaa	aatggtcccg	360
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<210> 20993

<211> 193

<212> DNA

<213> Homo sapiens

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 gacccgcacg gagctccggg ccgcccggga ggaagctgcc caccgcaaag caacggacca 180  
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<210> 20994  
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 <212> DNA  
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 cccggccatg cttatatctt taatccaacc atatactatt tttgtgaatg atggaagtaa 180  
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 gtgtgtaaac agagaaactg ggcgtcacat aaggcaagtg acctgcacag cmtwgctccg 420  
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 <212> DNA  
 <213> Homo sapiens

<400> 20995  
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 taaggactat ttatagctat aatcaaaata gaatcaaagg agaggtgtag ttctccacag 180  
 aagagaatga ccctttttat ttagatcaga cccag 216

<210> 20996  
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 <213> Homo sapiens

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 tgcagcagca gactacgatg agttggcaga acctcaagac tttcaggacg atcctgacat 180  
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 <212> DNA  
 <213> Homo sapiens

<400> 20997  
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gggggaggaa agtcaaggga agaaggtatg caggatatta ttctccattg cttgaagtct 180  
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<210> 20998  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 20998  
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 cacaggc 127

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 <212> DNA  
 <213> Homo sapiens

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<210> 21000  
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<210> 21001  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

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tttactggct catgttattg cctggcccca agaagccaca tttaagatat ctctccttag 180  
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<210> 21003  
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<212> DNA  
<213> Homo sapiens

<400> 21003  
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caagacccta tcaaggggcc cgatacccct tgcaggccat ttgggtactg tttactacat 180  
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gtaaaagaaa ggctgcgtaa agagggcatt taattgacct atgtcctttg ccccatctca 300  
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<210> 21004  
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<212> DNA  
<213> Homo sapiens

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tatatgtgcc acattttctt aatccagtct atcactgttg gacatttggg ttggttccaa 180  
gtctttgcta ttgtgaataa tgccacaata aacatacgtg tggcatgtgt ctttatagca 240  
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<211> 176  
<212> DNA  
<213> Homo sapiens

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<210> 21006  
<211> 173  
<212> DNA  
<213> Homo sapiens

<400> 21006  
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<210> 21007  
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<212> DNA

<213> Homo sapiens

<400> 21007

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ctccgggcac	gtcaaccct	tcctcccgta	tatsagtgat	acgggaacaa	cacctccaga	180
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<210> 21008

<211> 157

<212> DNA

<213> Homo sapiens

<400> 21008

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<210> 21009

<211> 176

<212> DNA

<213> Homo sapiens

<400> 21009

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caagtgaaac	tgagaagtca	tagctcttga	catgctaatt	gatttccatg	cttattatta	120
gcaggtcacc	agccgacagg	aggtcaagct	ttttttcagt	tgcttttttt	tttttt	176

<210> 21010

<211> 166

<212> DNA

<213> Homo sapiens

<400> 21010

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<210> 21011

<211> 394

<212> DNA

<213> Homo sapiens

<400> 21011

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aacttgagac	atcagggtgac	tcctgcagtg	gtgaccctca	aggcagccag	gccacaccag	180
cctcacagag	aggacacaga	tttgaatcac	agtccctgaca	ctgcaggtaa	ccaaacactg	240
tttttagcag	ccttcctttc	cttcataagg	gctaagcttg	tkaacctttt	atattacctt	300
tctcctggaa	aagtatcgac	agtgtttaag	ccttgcttcc	attgagacca	aaaatgaact	360
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<210> 21012

<211> 172



<212> DNA

<213> Homo sapiens

<400> 21012

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<210> 21013

<211> 76

<212> DNA

<213> Homo sapiens

<400> 21013

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<210> 21014

<211> 221

<212> DNA

<213> Homo sapiens

<400> 21014

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ttctgtaggg	gttgttccca	tgggtgatag	aagctgcca	atataaagag	gcaaccatgc	180
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<210> 21015

<211> 171

<212> DNA

<213> Homo sapiens

<400> 21015

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<210> 21016

<211> 84

<212> DNA

<213> Homo sapiens

<400> 21016

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<210> 21017

<211> 174

<212> DNA

<213> Homo sapiens

<400> 21017

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------------	-----------	------------	------------	------------	------------	----

aatcttctgt gtaataatca ctcttcttat gcctgggtgct ggtgattaag tcactttctta 120  
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<212> DNA  
<213> Homo sapiens

<400> 21018  
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gcctagggga cccccgagaa accttaaaaaa tggagttccc ggacatgatg gaacaggagg 180  
ttggacaggc ctcatatgc cccctcccc cctaaccatt aggctttctt ctctaagggt 240  
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atcc 304

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<212> DNA  
<213> Homo sapiens

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aataccagg ctgacgtgaa aaaactcctc cagccaaga agcccttaat gtgctcaatt 180  
aggccctcgg gcacctccac ttgccacctt caagagctcc tccagttgtg ctgcaaataa 240  
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accagtttct ggctgaaggc cttcttattt gaaaacatag ggataaagct cacacttagc 360  
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<212> DNA  
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attaattgaa catttttgaa gcaatcatct gaacatttgt tatttgctgt tacaatgatt 180  
ctttgaggaa atactattac cataatttta cagatatgga aactgaagtt taggaaggct 240  
aaaacttgta caagccactc agctggtaac aagtggagggt gggagggtgaa cccaggcagt 300  
aaaaaccatt acaactttat tactttttcc ttaaaaaaga aaagaccata ggatgatctt 360  
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caccgacttc tcatagacaa tttt 444

<210> 21021  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 21021  
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ggcgcgatct ccgctcacta taacctccgc ctacctccgc ctcctt 166

<210> 21022

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<212> DNA

<213> Homo sapiens

<400> 21022

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agactctgtc	tcagggtttg	gacttacttg	ggaccagcta	cccctttctt	cttgcctatt	180
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<210> 21023

<211> 456

<212> DNA

<213> Homo sapiens

<400> 21023

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ggcagcggct	gccgaactgg	caggagtggg	aatatgcctg	gaagtagggg	cagggtctgg	180
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tcaaccagtk	attacagatt	tgggtcaaagg	cttgctacca	aaadggracc	gaaaaagttg	360
atcttctggg	gtttaatccc	ccctatgtag	tgactccacc	tcaagaggta	agaagtcacg	420
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<210> 21024

<211> 280

<212> DNA

<213> Homo sapiens

<400> 21024

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agtgcctggc	ccagtctctc	ccgcctcggc	ccaacatgga	cttcagagaa	attctcatga	180
tagcttccaa	gggacaaggt	gtcaacaatg	tgccgaaaag	gtatagtttg	gcagtggggc	240
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<210> 21025

<211> 152

<212> DNA

<213> Homo sapiens

<400> 21025

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caacatttaa	gtktttctaa	gtaccagcac	ca			152

<210> 21026

<211> 257

<212> DNA

<213> Homo sapiens

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 tctatacttt tccctgtcct acactagttc ccaccacttc aggttcctca ggttttctat 180  
 ttcataccttc ctatcaggcc acttccctga tttttttgtg tkatggctag agacaatctg 240  
 tcatagctga gtgccac 257

<210> 21027  
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 <212> DNA  
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<400> 21027  
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 aagggtgggt gtttatactt ttttaaaaag gagtctatat catatttatc ttgtgggtctg 120  
 ccatgcccc a 131

<210> 21028  
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 <212> DNA  
 <213> Homo sapiens

<400> 21028  
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 tacttgggag gctgaagcag gagaatggcg tgaacccggg agatggagct tgcggtgagc 120  
 cgagatcacg ctactgcact ccagcctggg ggacagagtg agactttgtc tcaaaaaaaaa 180  
 aaaaaaaaa 188

<210> 21029  
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 <212> DNA  
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 aaatagtgcc tctgcgcctc caccacacac 150

<210> 21030  
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 <212> DNA  
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<400> 21030  
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 agac 124

<210> 21031  
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 <212> DNA  
 <213> Homo sapiens

<400> 21031  
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 aaaacaaaga agcaattaag aaagtgttgc ctatgttctt ctgccaccag ccagcatt 118

<210> 21032  
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 <212> DNA  
 <213> Homo sapiens

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 cagcctatca atcttcttga ttaaaccgaga agaaggcaga taacctgggg agcagggagc 240  
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<210> 21033  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

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 ggaagtaacc caaagtttgg gtttcctcag ggacaatttc tattcattgc ccatttcccc 180  
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 gatattttta actatataat atggcaattc tgaaaatcag atcctccctc ctctcttccc 300  
 catgggatgt tgttgtttat gtdtgwnntt gttgctcttg ctcdgtattk attgagtgat 360  
 tttcttgaac aaattctgta aggtcagtat tttttgccat gtgtggccta ttaagtctct 420  
 gctcagcata gtggtca 437

<210> 21034  
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 <212> DNA  
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 ccttt 365

<210> 21035  
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 <212> DNA  
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<210> 21036  
<211> 187  
<212> DNA  
<213> Homo sapiens

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cttaacactt ttaaaaatgg tatcacgctg gcctagcgca gtggctcatg cttgtaatcc 180  
cagcact 187

<210> 21037  
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tggccaggct ggtctccaac ttctgacctc aaatgatctg cccacctcgg cctcccaaag 120  
tgctgggatt acaggtgtga gccaccgcgc ctggccaggg atgtatcatc ttattacaag 180

<210> 21038  
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<212> DNA  
<213> Homo sapiens

<400> 21038  
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tggttctatg tgggtgctcag ataaagaata agtattttct tactgtaagt gtgtcccatg 120  
cagtatttgg gacatactac aaaaaaatta tctgtggttt acctaaaatt caaatgtaac 180  
tgagtatctt aaatttttat ttgctaaata tggcaccccc taca 224

<210> 21039  
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<212> DNA  
<213> Homo sapiens

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tttatttact attttgtatt tatatttgat gaataagtat ataaacagag acgt 174

<210> 21040  
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gcgcact 67

<210> 21041  
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<212> DNA  
<213> Homo sapiens

<400> 21041  
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<210> 21042  
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<212> DNA  
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<210> 21043  
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<212> DNA  
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<210> 21044  
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<212> DNA  
<213> Homo sapiens

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<210> 21045  
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<212> DNA  
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gtaaagagag aagtaatgga aggcctgtct gatgttgctt cttttgcaac taaacttaaa 180  
aacactctca tccagtacca tagcattgaa gaagataagt ggcgagttgc taagaaaacg 240  
aaaga 245

<210> 21046  
<211> 288  
<212> DNA  
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<400> 21046  
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cagtttcagg gctgaaatgc ctggcgarsw ccattcagcc atcacatatt gactgagtgg 240  
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<210> 21047  
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<212> DNA  
<213> Homo sapiens

<400> 21047  
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<210> 21048  
<211> 240  
<212> DNA  
<213> Homo sapiens

<400> 21048  
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tccccctcc cacactgccc cccatttgag tacgccgcac aagtcaaacg ctaggaagtt 180  
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<212> DNA  
<213> Homo sapiens

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agccaccacg cccacag 378

<210> 21050  
<211> 264  
<212> DNA  
<213> Homo sapiens

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cagccagttc tgataaacia aggacaaaaa gaactggcac agagtttgga aattgcctgc 180  
tcggtgccag tncagcctg ccacaggcca gtgcccagag agtgacagtg cagctgtagg 240  
tagaccacat tggggtgagc cgtc 264

<210> 21051  
<211> 205  
<212> DNA



<213> Homo sapiens

<400> 21051

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ccaggactgt cagatcagat accctgaagt ctctgcagac agccaggcac ctgccaagga	180
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<210> 21052

<211> 144

<212> DNA

<213> Homo sapiens

<400> 21052

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<210> 21053

<211> 96

<212> DNA

<213> Homo sapiens

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<210> 21054

<211> 118

<212> DNA

<213> Homo sapiens

<400> 21054

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<210> 21055

<211> 187

<212> DNA

<213> Homo sapiens

<400> 21055

aagaacagca caaaaagcac agcctctcac atgtgcaagg aggttcattg cacctctgtg	60
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<210> 21056

<211> 60

<212> DNA

<213> Homo sapiens

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**0-9**

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<212> DNA
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6872

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gtagagcacc gaaaaccacg aggaagagag ggat 94

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<212> DNA  
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<210> 21066  
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ttggtaaatga tcatagcacc ttggatgggt attccagaag aaccaccttg tcttcaaaaa 180  
tgtatcacac caaaggacaa gaaggttctg tttgtctccg' gtcacacagac tgtgcctcag 240

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actgtggaga	aggtctgtct	tgccggatac	agaaagatca	ccatcaagcc	agtaattctt	420
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<210> 21067  
 <211> 91  
 <212> DNA  
 <213> Homo sapiens

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atTTTTtgac caaggacagt agactgccta tatcagttga ttcaccacca gctgctgctg 180  
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<210> 21073  
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<212> DNA  
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<212> DNA  
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tggctccccct ggctaccagt ggtgggagtg ggtgaggata actgccttgt tgtccagatg 180  
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<210> 21076  
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<213> Homo sapiens

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<210> 21077

<211> 212

<212> DNA

<213> Homo sapiens

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ataaataaat aggatcaaca gggcacaaaa gttatgttag gaactacaca aagggtgagcc	180
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<211> 380

<212> DNA

<213> Homo sapiens

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tgtggctatc tcaatttgtt gggttggggg gcttggaacta aggcctctga tctaataaaa	300
attatctcct ttcctccccc tctagtggta cttggaattc tgtcactgtc cagtcattct	360
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<210> 21079

<211> 326

<212> DNA

<213> Homo sapiens

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ttgcagcctg gtccatcagt tttatccccc atttaaggct actggtttcc tcaactgagc	240
tgagacaata ggatttccgg tggccagata cttcagccaa ccctcactgc cctgggtaat	300
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<210> 21080

<211> 152

<212> DNA

<213> Homo sapiens

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<212> DNA  
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ctatagacct tagagagtgg ggaaggcaaa atcaagctag caaaaaaac aaaaacaaaa 360  
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<212> DNA  
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<400> 21084  
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ccctttccat cgtaaatgaa gaatcaaaaa catgatgggt tcaatgtagt ggggtgtctct 240  
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<210> 21085  
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<212> DNA  
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<400> 21085  
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ttgaattttt gaaagattgt tcggttgctc actgaaagta gtagaggagc ctgagagaaa 360  
caggaacca gtaaaatggt tatcacagat gtccgggtga tggtgccaga tgggtggcttg 420  
gactagcatg atgtctttca 440

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<213> Homo sapiens

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cc 182

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<212> DNA  
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<400> 21087  
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<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

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<211> 106

<212> DNA

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<211> 159

<212> DNA

<213> Homo sapiens

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<211> 301

<212> DNA

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<211> 201

<212> DNA

<213> Homo sapiens

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ggaagTTTTA tgagggtgaa aactttactt tgaaatattt aattgggaga ctagaccatt 180  
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aatcatcata ataaaaagtt aattttgaaa aaagaatctc ttttactcaa gtttgaggta 240  
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<210> 21097  
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<212> DNA  
<213> Homo sapiens

<400> 21097  
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agaaaaaatt tgctgttgaa gttcatgac caggaaggat ttcagtttca agaagaacct 180  
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<210> 21098  
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<212> DNA  
<213> Homo sapiens

<400> 21098  
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caacaagagt ctctgaacca aatccttagc tcaattgcag cactggccag atgggagaaa 240  
aatgtctcag tgcccaagga tcatgggtcca atttcagaca gctaagacct gaagaaagtg 300  
aactaattca cactaaagggt ataagtgtc ctatggccaa caccctct 349

<210> 21099  
<211> 377  
<212> DNA  
<213> Homo sapiens

<400> 21099  
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cgtaagcagc	ctgacctttt	atctgtgttg	ttatttcttg	taaacttcct	atagatgacg	240
aaccctttat	tttctgccct	ggaacgggtg	gcttcctctg	ccctgtcctt	ggtactggca	300
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acccttgccc	caccct					377

<210> 21100  
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 <212> DNA  
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	caacc
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<210> 21102  
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 <212> DNA  
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<212> DNA  
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<400> 21104  
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<210> 21105  
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<210> 21122

# DEPT OF THE ARMY



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caaatacagg caaaggagag aggcaaatac acgacagggt catttccac ctttcccatg 180  
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<213> Homo sapiens

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taacatcgc 189

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<212> DNA  
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<212> DNA  
<213> Homo sapiens

<400> 21158  
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aggcaggaga attgtttgaa cccaggaacc 90

<210> 21159  
<211> 336  
<212> DNA  
<213> Homo sapiens

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aactggaatt tctttacggg ctagtgacat tgaatttatt ttcatacact tattcatcat 120  
ctgtgtattc tctttgggtg aacgtccatg ctttttggtc attttctaaa tagatttttt 180  
ttgttttggt tttkgttttt gacatggagt ctactctgc caccaggct ggagtgcact 240  
ggtgtgatct agactcactg caacctccac ctccggggtt caagcaattc tcctgcctma 300  
gcctcctgag tagctgggac tacaggcatg tgcwac 336

<210> 21160  
<211> 112  
<212> DNA  
<213> Homo sapiens

<400> 21160  
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<210> 21161  
<211> 368  
<212> DNA  
<213> Homo sapiens

<400> 21161  
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ttcatagaac ccgaggcatg taagggttaa gcaacatggt agatttagga ctagaactca 180  
ggaataagac tctcaggaga tctctttgcc tgagggttcta tacctatttg ccagaatcct 240  
gtgggggtaa tctgtaagtc tcatcagatt tctctaaaca tttataaatt ggaccatgk 300  
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tdgatacc 368

<210> 21162  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 21162  
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gattctgatt agaaaaaaaa attcaccctc actaattaca cacataccag agaaagcmaa 120  
rn 122

<210> 21163  
<211> 277  
<212> DNA  
<213> Homo sapiens

<400> 21163  
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cggaggatag caattagcta tagctaggcc tgctcctctt tgcacagctc aagatgacgt 180  
gtacaattac tttggcacct caccagctct ttcagacctt ttccatgcat gatgggaaga 240  
caggtccatt ctctgagagt cctcactcc ctcccc 277

<210> 21164  
<211> 101  
<212> DNA  
<213> Homo sapiens

<400> 21164  
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aggaagagga ggtgatggcg acggaccagg ggagggggag a 101

<210> 21165  
<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 21165  
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ccacctgc 128

<210> 21166  
<211> 88  
<212> DNA  
<213> Homo sapiens

<400> 21166  
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gaagctgact caaaacgtaa cggccgct 88

<210> 21167  
<211> 77  
<212> DNA  
<213> Homo sapiens



<400> 21167  
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gtagagcgcc gaaagtc 77

<210> 21168  
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<212> DNA  
<213> Homo sapiens

<400> 21168  
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cgctcgatgt ccctgaactg ccccaggcct cctcctcccc tcaaggcact ccacggctag 180  
ccacctggca gcctgggctg ctactagaa ggctactgcc ctctacccca ctgctttcat 240  
gatcaccttc cctcagacct ccagcctgct ctgtagcctc atggcctcca tctccccac 300  
cctcactgct gtgattctgt ggcccc 327

<210> 21169  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 21169  
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cgcaccatca gcaaagaatc acagccatca gacagccata ggcttgggtt atgcatgctt 120  
gtaaagaaaag tgagcctttt agaatcatcc cagcaccacc 160

<210> 21170  
<211> 173  
<212> DNA  
<213> Homo sapiens

<400> 21170  
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aaacttggtta gcataacacc gaagagtttt gctgtgagta gcatcagcat agcaggarga 120  
ssatccbwag ctctcctgcc gctgctctgc cacaaggaga gaaagggaaa gca 173

<210> 21171  
<211> 332  
<212> DNA  
<213> Homo sapiens

<400> 21171  
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aaggtccttc aagataaccc attatgtatt agggaaaact gaaaattgca tcctcattaa 120  
tttaaggcaa aatcaacaga aatctagact tatgtcagct tatttcacag ttaagaaatc 180  
taagcttatt tccttctgat gccatcttgc cactcctgat aaatcccaa acagtttccc 240  
ggctggtgag gattcacgta tggccagaca gtgggctgct gtatcattca ctgaataaca 300  
cattggcatt cccattgat cgctgccaca ct 332

<210> 21172  
<211> 104  
<212> DNA

<213> Homo sapiens

<400> 21172

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<210> 21173

<211> 208

<212> DNA

<213> Homo sapiens

<400> 21173

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ggcgaactgg	ggtgctgttg	ggggatatccg	agtcccagaa	gcacctggaa	ccccgacaga	120
agattcttga	ctccccagac	gggaccagga	gagggacggc	atgagcgaca	cacacaaaca	180
cagaaccaca	cagccagtcc	caggagcc				208

<210> 21174

<211> 255

<212> DNA

<213> Homo sapiens

<400> 21174

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cttcagatac	tatggtgttt	tacagctttc	accacagctg	catcagctta	tagttactat	180
cattatggcc	ggaagactgt	dcaggtgata	aaagactgat	gaaagtcatc	cctcactggt	240
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<210> 21175

<211> 267

<212> DNA

<213> Homo sapiens

<400> 21175

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tgctctctgg	tccatgaact	cattttccatt	tgagtgaact	cccttagtga	attttgtctc	120
ctgcttggaa	agtctctctt	ctgaacctgg	agcctgaata	cattttcaga	gccaaattac	180
aagtgggtga	agacatgcta	caactactat	tttttagcaat	gttttttaaat	ttgtgtctat	240
tgggggtggga	aggggagtga	ggcccgt				267

<210> 21176

<211> 136

<212> DNA

<213> Homo sapiens

<400> 21176

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ttttattacc	tcaagttatg	tcccttctat	gccaatttta	ctgaggggtt	taatcataaa	120
ggatggtgga	ttttgt					136

<210> 21177

<211> 227

<212> DNA

<213> Homo sapiens

<400> 21177

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cctcccctac	tcctgccagt	cctcatttgt	ctttcatgct	ttcccttaaa	gaaataaagc	120
accaagaaaa	cgaagccttt	gaagaattcc	accattccgt	tatatttcaa	ggcaccacct	180
cattaaggga	aggttggagg	atttaaaatt	aaacacacac	accccag		227

<210> 21178

<211> 186

<212> DNA

<213> Homo sapiens

<400> 21178

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ggaaggatga	aaatatgtaa	gacagtgtgt	gccactgaca	cagagatagt	actacacaac	120
cgtttatgag	gagagaacaa	gcaacctgac	ttacaggaag	taaaagaaga	tcattgtgtac	180
tggagc						186

<210> 21179

<211> 176

<212> DNA

<213> Homo sapiens

<400> 21179

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gctaattgt	tttaaaaaat	ttatccatat	gatttgtatt	tttgtgggtt	taattgtaaa	120
aattttaa	ttctaaattat	aataatttat	tttggttag	gagtgaattg	gggatc	176

<210> 21180

<211> 184

<212> DNA

<213> Homo sapiens

<400> 21180

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tggtgaat	aattatttca	tagttaaatt	cctggaagac	aaatgtctcc	ttggtatata	120
ccttcatt	ctttgtggtg	aagtcaaact	ttttctaagt	dttttttcaa	tgagaaattg	180
tggt						184

<210> 21181

<211> 418

<212> DNA

<213> Homo sapiens

<400> 21181

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tagtggcaag	tttttctcat	tccttgtag	tggaggaacc	acgggttgag	acatggaagt	120
cacctggaac	ataagacaca	ggcttgcat	gcaccacacc	actgtgtcca	ttgtttaagg	180
aacatgttg	tctcatctgg	ctgsmtcttg	tgggactcgc	agctcctgcc	ttattccatt	240
tgaagattac	tatttgctat	ggaaaaagt	atgtcaaatt	tatgggggtg	ggcttggggc	300
catgaataaa	cacaaaatag	ttgacccac	agggtaggag	ttattattag	gtttaggagt	360
cgccacctta	tgtgggtcac	caccccaggc	cctgcttttt	gggtggagca	gtctggca	418

<210> 21182  
<211> 86  
<212> DNA  
<213> Homo sapiens

<400> 21182  
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tggctgaaga agcgacggg cccaca 86

<210> 21183  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 21183  
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tgtcttacat tagctgtccc aacaggattg tcttcctcc cagctctgtt ttaattggct 120  
tttagacca ctatctgtca gatccttgcc atctgtcagt gtctgcctgc gccacccccg 180  
acg 183

<210> 21184  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 21184  
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aaaaaa 126

<210> 21185  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 21185  
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atgaggaaca cgagatcagg atcatgcaga aatctaaagg aaacaccagc tctccgacat 120  
tgcaacctgg gccagaaacc accagtgacc tctgctaact ttgtcctttc ttccaggtgg 180  
aaaggggaaa atgtggccac cccctgaagt cgctgtccgc cgccgcca 228

<210> 21186  
<211> 455  
<212> DNA  
<213> Homo sapiens

<400> 21186  
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gagaggcttg gaccagcac tggcagtaca gcagagrcac agtgccgtaa ctggctgaag 180  
actggcaact gcctctatgg aaacacatgt agattcgtac atggcccttc acctcgtggt 240  
aaaggttata gcagcaatta tagaagggtc ccagaaagac ctacagggga tcttagagaa 300  
agaatgaaga acaagcgcca agacgtggac actgagcccc agaackgnaa tacagaggag 360  
tcacctcac ctgttaggra agaattctca agaggagac atagggaaaa ggaagacata 420

aaaatcacta aggaaagaac tccagaaagt gaaga 455

<210> 21187  
<211> 251  
<212> DNA  
<213> Homo sapiens

<400> 21187  
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tgattttctg ctcaatagag gtccttactg gaaggcagca tgtccaatgt taccttgarg 120  
aaaaatgtct cccacaggaa atgagatgaa gagcaccact cagggaacca cacggaagca 180  
gcaggatttt cagcaggtga acaaaagaag aactttctta caggataaca gttggataaa 240  
gaaacgcccc t 251

<210> 21188  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 21188  
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ttctttttta ttcagttatt tcaaggaggg ctcccagtaa attttgcttg gtaaggagat 180  
taatttcaga gccatggact cccgtaggat atatcctgga tgtttacgtt gcaaaaaccc 240  
ggg 243

<210> 21189  
<211> 213  
<212> DNA  
<213> Homo sapiens

<400> 21189  
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aatggatgg aaggacacat ggatacctag aacacggaga cctgaggag ctggagaggc 180  
ctcagtgact ggtctaagtt caccaccagg agt 213

<210> 21190  
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<212> DNA  
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<400> 21190  
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tgtttgagaa ctccaaagcc tcaaattgggt gttcctagtt agatcaggta gtatcctccc 120  
caaccgtggg taaaaaaaaca aatcattctt tcttagataa agctgccaga attaatTTAA 180  
tgattaaatt ctctaacagg gtatttttaa cattgtttac atatgaaatg tgcattctgt 240  
gccaactcta ctgtcgaata tgagggtgat ataaattaga actgcacaga gttatagaaa 300  
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aacaagagtg tcgtgcat 379

<210> 21191  
<211> 118  
<212> DNA

<213> Homo sapiens

<400> 21191

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<210> 21192

<211> 197

<212> DNA

<213> Homo sapiens

<400> 21192

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tattgactat	gggatataag	gcaaatttag	atgttaaaa	tgatagttgc	caaatttgc	120
aaatgccgta	atgttctcat	gtacaaaaa	agttggggaa	tttttgtcag	aaaattatga	180
gtkttgcact	ggccaat					197

<210> 21193

<211> 373

<212> DNA

<213> Homo sapiens

<400> 21193

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cggaaggccg	cagggtctc	tgcttaggaa	aaccagagac	ctttgttcac	atgtttatct	180
gctgaccttc	tctccactat	tgctctatga	ccctgccaaa	tccccctctc	cgagaaacac	240
ccaagaatga	tcaataaata	ctaaaaaat	ttaaaaaaa	agagaagdk	kcgagagaaa	300
cagtttataa	aagtgaaggt	tggccagatg	tggtggctca	tgctgtaat	tccagcactt	360
tgggaggccg	agg					373

<210> 21194

<211> 126

<212> DNA

<213> Homo sapiens

<400> 21194

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ttacagggtgt	gagccaccac	accggcctg	tctccaccat	cttaagtaca	gtggaggggt	120
ctgcat						126

<210> 21195

<211> 219

<212> DNA

<213> Homo sapiens

<400> 21195

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actttcatga	atttaaattg	tttttatttc	tgtaacaatt	gcttccaaat	attgactact	120
aaaggcagtk	ctgcaagatg	tactaaatat	gtatatgaga	aattatagaa	aatcatgtkg	180
tccgttttca	aattcatcaa	cagcctagag	tgctgcgcg			219

<210> 21196

<211> 245



<213> Homo sapiens

<400> 21201

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aagcggattg gggcgttggt cttccttgta cctcgtgagc ctccgttgcc ttgggcggag	120
ac	122

<210> 21202

<211> 114

<212> DNA

<213> Homo sapiens

<400> 21202

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gtacatatat tccaaaatct gaaaaaaatt tgaaatctga gacacttctg gcc	114

<210> 21203

<211> 140

<212> DNA

<213> Homo sapiens

<400> 21203

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ttctgtctct gcagatttgc ctatcttgaa tatctcatgt atgtggaatc atacatgtgr	120
aacatttgtg tctggctttg	140

<210> 21204

<211> 171

<212> DNA

<213> Homo sapiens

<400> 21204

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ggcatacaga aatacaaact atcatctgag gatactataa acacttctat gcaaataaac	120
tagaaaattt agaagaaatg gataaattcc ttgatacata caccaccca g	171

<210> 21205

<211> 251

<212> DNA

<213> Homo sapiens

<400> 21205

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tactgtgaga atcagagggg ctgatgtact tggcaacgat ctgtagacca ccaagcacta	120
gaagaggaag aggacaccca tcatcacaga gcaggtggcc tcacacaccc acacctatca	180
gaactgggac tggcaagagg cagtgggacg gcatttagag aagaggctgg aagaaggcag	240
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<210> 21206

<211> 234

<212> DNA

<213> Homo sapiens

<400> 21206



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cacacatgta	gtactcagag	ctctacggaa	accaggcacc	tcgacctcaa	gaggatcagc	120
ctggccagg	tggcacaact	cttccttccc	cgtgcacagc	aggaaagctg	ccatcagctg	180
agcaagtcca	ccaacagttt	ctgtgtccca	cttcattctt	aataaggaca	ccac	234

<210> 21207  
 <211> 114  
 <212> DNA  
 <213> Homo sapiens

<400> 21207						
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agtatttttc	tccaacttgt	atcttaaaca	tcctgaacat	gcttagcacc	accg	114

<210> 21208  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<400> 21208						
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gaagttttat	tcttcatttt	tgtcctccta	tgccatagtt	aaggggcata	aaaaaaacta	180
gtgggggtgg	cctgggtggc	cacgcctgta	atctcagcac	tttgggaagc	taaggcgggc	240
agatcgctta	agcttaggag	ttcgagacca	gcctgggcaa	catgatgaaa	ccctgtctta	300
aaaraaaaa	gaaaagmcta	gtagaaaccc	ccca			334

<210> 21209  
 <211> 84  
 <212> DNA  
 <213> Homo sapiens

<400> 21209						
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caaaaatata	gaaaagccc	attg				84

<210> 21210  
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 <212> DNA  
 <213> Homo sapiens

<400> 21210						
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acaacaataa	taacaaaatt	gcttgccatt	tctgtgtgcc	aagcactgct	ctaagcacct	120
tacctgttgc	tctcctttcc	agattagctg	attaagtagc	ttgcccaggt	gcacacaggt	180
tctaagcagt	ggactcagga	ctccacacag	acacacttca	ccccca		225

<210> 21211  
 <211> 462  
 <212> DNA  
 <213> Homo sapiens

<400> 21211						
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tagcatacat	tcactgtgaa	gctgggtacat	tggtctacat	tgattagccc	caatgaaagt	120
gcagtgattt	aagacacttg	tattagttag	agttctccag	agaaacagaa	ccaataagat	180
gtgtgtatgt	gtacatacat	gtacatacac	acagacacac	atataaaatg	tatgtgttat	240
atatatacca	tatgtacaca	catatctctt	tacatattat	ttagaaaagag	agagattgag	300
atatattaat	tttagggaat	tgactcgtgt	gactgtggag	gctggtaagt	ccaaactcyk	360
cagggcagga	tggcaggctg	gagaccag	ggaggggtg	aagttgcagt	cccggtgaaa	420
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<210> 21212  
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tctgcccggc	240
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cccggccgct	

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<210> 21215  
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 <212> DNA  
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gagtttatgc	180
ccaattgccc	202

<210> 21216  
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<210> 21217  
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<212> DNA  
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tgaactgcaa tctgaaatgc tcccctgaat tttagagttt tcttgccaggg aaaatttcac 180  
gtgagctcat cctgaccctt gctaataatt cagccaagca catagtttat tgtctaataga 240  
cctttcaagg cccttcagtgt atgttggcac gtgctgtcat attctgaggg tgggtgcgcas 300  
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cacc 364

<210> 21218  
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<212> DNA  
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<400> 21218  
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accaccatga catgagaagg cccgggcagc ctgctggtgg gtgagacatt gaagtggag 120  
gaggccccag tcatcccagt catcacagat gagaccatta taaaccaggc caccgcgga 179

<210> 21219  
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<212> DNA  
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<400> 21219  
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tacattcaca aaagcataaa tcatagtctc acaggaaat 99

<210> 21220  
<211> 278  
<212> DNA  
<213> Homo sapiens

<400> 21220  
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aaactaaaaa cgctcatttg ttgtktttga agacagggtc tcaactctgtc acccaggctg 180  
gggtggcgtg taatctcggc tcaactgcagc cttcaccttc cgtacccaag ccatctttcc 240  
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<210> 21221  
<211> 292  
<212> DNA

<213> Homo sapiens

<400> 21221

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ccaacttgcg	cctggcctgg	atcttgagag	ggacggggct	ggggagctgg	tgctggtgta	180
gccaccggcc	ctgacaccca	gccgcgtgac	cttctctcgt	ggcctcacag	tcctcccttc	240
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<210> 21222

<211> 200

<212> DNA

<213> Homo sapiens

<400> 21222

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ccctctgggc	ctcagtttcc	ccaagctgga	tgtgtcgtcc	ccctgcttca	ttcataatca	180
ccaccaccac	caccacctgc					200

<210> 21223

<211> 192

<212> DNA

<213> Homo sapiens

<400> 21223

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aacatgaaga	gcttgaaagc	gaagttcagg	aagagtgaca	ccaatgagtg	gaacaagaat	180
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<210> 21224

<211> 289

<212> DNA

<213> Homo sapiens

<400> 21224

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ctcctgtcct	tctgggactc	cctggagact	ggaccctagc	acctccactc	agcctcacc	180
tcctcacttc	ctctgcagag	gtctattcta	ggaaaaggaa	atggccggag	ctggcaatga	240
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<210> 21225

<211> 181

<212> DNA

<213> Homo sapiens

<400> 21225

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aatatctcgt	atctgttaaa	atgaataaag	tacattcatt	gtgtatggaa	aatggccat	180
g						181

<210> 21226  
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<212> DNA  
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<400> 21226  
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ggcctttcaa gggttg 136

<210> 21227  
<211> 276  
<212> DNA  
<213> Homo sapiens

<400> 21227  
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ctcagtattt tagaagtcca ggagcattgt cttgatttca tttggtttgc ccttaccac 180  
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ctgggtgtct cccttctgtg tctctgtggg gccccg 276

<210> 21228  
<211> 400  
<212> DNA  
<213> Homo sapiens

<400> 21228  
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gtatatTTTaa ccataaatg ggtaagaat attaccttcc cacagggtg catttgaata 120  
catttctttt gatgcaacc gtattttttg ttttaagctat ttcctttaga aagtcactta 180  
tattctgcat atgaatttac tggaaaaaga aggtcattg gaatgctggc aatggctagt 240  
gtgctcatgt gtcaattagt gccctgtcct aagaacaata tgaggagata ggatacaaaa 300  
ttgttaagtc tttcaggaac agagggaac taaaagcatc ttgaggatga gaagactttt 360  
ttaaaaaaca gatccagaaa acaacaacaa caactacagt 400

<210> 21229  
<211> 112  
<212> DNA  
<213> Homo sapiens

<400> 21229  
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cttaccataa tgtttttTgt gttcatcttt attacagcat aataccggtg cg 112

<210> 21230  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 21230  
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tttttaggatc atctgggtta gtctgctttt atgtaataaa cctgttttta aagtgggaaga 120  
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gct 183

<210> 21231  
<211> 127  
<212> DNA  
<213> Homo sapiens

<400> 21231  
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cctgtct 127

<210> 21232  
<211> 128  
<212> DNA  
<213> Homo sapiens

<400> 21232  
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ccattatgaa aaaaatcaga tagtaacagg tggtgcccat gatgtggaga aattcagacc 120  
ctggtgcc 128

<210> 21233  
<211> 258  
<212> DNA  
<213> Homo sapiens

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gcggtaccag atttgatggg tccccattct gaccaggggtg agcacagtgg cactgtgggg 120  
cgtgcctgtg agctacacag actgtgctcc ttcacccgtc ggttgttcag ttgtgacatc 180  
agatagcttc aaaacaaaag acagcttttag aactgcaaaa agtaaaaaga agaggcgnnt 240  
cacaaggtat gatgcacc 258

<210> 21234  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 21234  
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ggtctcatga gccakcttct tctgttggtt cttgcctcac ctccagtagg ccatgggctt 180  
ccctccccag tacctctggt acaggacccc tgccccctcc ctgctgtc 228

<210> 21235  
<211> 431  
<212> DNA  
<213> Homo sapiens

<400> 21235  
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tatgggggtg tacatcatag ctctgtgtgt ggtgaactgc agttgataaa tcccatagtc	240
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tgcattcacc tatggccacc cccgacgttg ctttgccagc atatgtgcat gcaagtggac	360
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<210> 21236  
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<400> 21236	
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 <212> DNA  
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<400> 21237	
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tgatctgcat atgtcattgc tgggtgcctc agcttgctcc ttcagtcagt tagggtagtg	120
ttccaaggag tgnncaakt gcaaggagca ggagcaaggc agacccact ctggctagcc	180
tggattggga gcaagggccca cacttccctt ctcttacaag aaccagatgc aatggtgccc	240
cctccg	246

<210> 21238  
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 <212> DNA  
 <213> Homo sapiens

<400> 21238	
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 <212> DNA  
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ctgttaataca ttactcaat tcataatgct tataatctgaa atttatgtag cttttctgaa	180
ttaagaaaaa ctttgcagtt tgacttttaa acaaatacta ttttttctt tctgggtttc	240
aagatataac aggcaca	257

<210> 21240  
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 <212> DNA  
 <213> Homo sapiens

<400> 21240

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ctgcacccctc	aatcgagtcc	aatctttttca	cttttacatt	tgatctcatc	tttttttttt	180
gtcaacagct	acattactcc	atcaatatat	cctcwattcc	attwatattk	gacctcwaac	240
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gctcctcctc	aaataaaaaag	cctttdata	accatacaca	ccctawttat	acttacaatc	360
actaatctct	magtttwaat	kgattcacca	acacatttca	gttkgttttc	gttttcaccc	420
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<210> 21241

<211> 65

<212> DNA

<213> Homo sapiens

<400> 21241

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<210> 21242

<211> 181

<212> DNA

<213> Homo sapiens

<400> 21242

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taagagatga	ggatccagtt	tcattcttct	gtatgtggct	agacagttat	cccagaccg	180
c						181

<210> 21243

<211> 329

<212> DNA

<213> Homo sapiens

<400> 21243

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agagagccca	gtggtcatt	tctgaacatc	tgccgcgagc	agtgccctga	gcctggcgcc	180
gcagggagag	atgagcgcca	ccgagacacc	agccccaag	tccagtaggg	gaggccggat	240
ccacacagga	gcagaccacg	actgcctctt	ccagaagagn	ntgcagccgc	agcgtgtstg	300
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<210> 21244

<211> 413

<212> DNA

<213> Homo sapiens

<400> 21244

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tgagargcgc	aastgcgatt	tctgctgaac	ttggaggcat	ttctacgact	tttctctcag	120
ctgaggcttt	tctccgacc	ctgatgctct	tcaattcgkt	gctccgccag	ccccagcttg	180
gcgtcctgag	aaatgggtgag	taacggtccc	aaccgctgct	cggagctggc	ggaattcatt	240
tcccccgaaa	cacacgccat	ctccgaccag	ggccgactcc	caattctgaa	ctcagcttct	300
gagtttctccc	atggcaaggg	ttaattagtg	ttagcaggga	ctactaaaga	aagctgtact	360



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<212> DNA  
<213> Homo sapiens

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<210> 21246  
<211> 371  
<212> DNA  
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<400> 21246  
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tgtgagtatt gtaatccaaa ccccaccatg cactgagagc acagaggagg atgaaataaa 240  
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<212> DNA  
<213> Homo sapiens

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<210> 21248  
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<212> DNA  
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t 121

<210> 21249  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 21249  
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aagagaaaat tattttttatt ccattctgag gggatggg 98

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<212> DNA  
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cacctgtaat cccagcactt cgggaggccg aggtgggcag gtcacgaggt caggagtctg 180  
agaccagcct gaccaatgtg gtgaaacccc gtctctacta aaaatacaaa aaaatgtttt 240  
aaataaccag tcatgggtggc acgcat 266

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<211> 54  
<212> DNA  
<213> Homo sapiens

<400> 21251  
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<210> 21252  
<211> 272  
<212> DNA  
<213> Homo sapiens

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ctttaaatgc ttttkacact tcaaaagtgc cccctgccac aagaacatgt atattatgca 180  
tcagaatgtg gcatgtgaaa gctaggtaat gtagaacttg tcagaaaagg accttttcaa 240  
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<210> 21253  
<211> 132  
<212> DNA  
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<400> 21253  
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<212> DNA  
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<400> 21254  
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agccccgtcg 130

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<211> 144  
<212> DNA  
<213> Homo sapiens

<400> 21255  
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gcaggaggaa gtttagatac cgag 144

<210> 21256  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 21256  
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acatgcccta tctctgtaaa tactgtgtag ataattcagg gcacttccta tgggcaacaa 180  
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<210> 21257  
<211> 93  
<212> DNA  
<213> Homo sapiens

<400> 21257  
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<210> 21258  
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<212> DNA  
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cgagcataca catttaaagt gccataaagc aaaaagctag ttattgatat gtcaagaaaa 180  
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<212> DNA  
<213> Homo sapiens

<400> 21259

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gccaagatcg	caccaccgca	ctccagcctg	ggcaatagag	caagactcca	tctcagaraa	420
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ctacctgagg	acaaccacat	tcaaactgca	accatttgac	aaatggggag	tctcaaaaag	240
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<213> Homo sapiens

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<211> 194

<212> DNA

<213> Homo sapiens

<400> 21275

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<210> 21276

<211> 138

<212> DNA

<213> Homo sapiens

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<210> 21277

<211> 187

<212> DNA

<213> Homo sapiens

<400> 21277

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<210> 21278

<211> 271

<212> DNA

<213> Homo sapiens

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6918



0251369-05 P40

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<212> DNA

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atgagaac						188

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gacaagtgg	ttgcattctc	accgtcactc	ctgggggtctc	tccgcttccc	ctgagctggc	180
tcagcagtct	gtcccatgtg	ttttgatgca	gggtgaccca	ttggtattcc	cgacactaac	240
gccccgctct	gtggactgct	tgctgcttgg	gcttcactgt	gtctggtgtt	gacagtgcag	300
acctaaaggt	gtgcacacat	gtgcacacac	actccgctgt	cttcttgttt	gcactggact	360
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<212> DNA

<213> Homo sapiens

<400> 21317

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cagactatgg	aaatgatggt	agacaaaaag	caaattcaag	agtctgaggc	tgcagtaagc	180
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<210> 21318

<211> 404

<212> DNA

<213> Homo sapiens

<400> 21318

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taagtaaata	tatctgtaag	ataaattcct	agaagtggaa	ttgctgggtc	aaaagaataa	180
tttttcagag	gatacatgtg	aagcaataag	ggaggcagaa	taattctttt	ggcctagcaa	240
tggggtaaag	aaaaggtacg	attatattt	gcataaatga	attgtttcct	ttggctcata	300
gcctgtgttt	atgggtaact	tctgcttatg	tgtacctcac	tatgatccct	gtccttcctc	360
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<210> 21319

<211> 216

<212> DNA

<213> Homo sapiens

<400> 21319

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acctgggaca	tcactattga	aacaacactt	atttatttcc	tacctttcct	cttttttctt	180
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<210> 21320

<211> 108

<212> DNA

<213> Homo sapiens

<400> 21320

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<210> 21321

<211> 486

<212> DNA

<213> Homo sapiens

<400> 21321

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ttaagtatat	gctgtactgt	agtgcataat	aaatgcttgt	caaaaataag	acccttgaag	180
gcatacacta	tttctttttt	tccccttgca	gtgtcaagta	attaacaggt	gttaaataac	240
cactgactag	tcaactataa	aaaagagggg	tgtgagcaag	aatactagca	agaacaagta	300



actgttacca tgtcttccca cccaccaaac tgtggaggaa aaaactccct cctctcaaat 360  
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 caaata 486

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 <212> DNA  
 <213> Homo sapiens

<400> 21322  
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 <212> DNA  
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<400> 21323  
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 cttttgccca tatgttttga tgcctcaaag atccaggcct aaagtatacc tgtgtaccat 180  
 tttctttgtt ttgacatcag aaacttgaac tttacctgat ttctgtatgt tgtcatcttg 240  
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<210> 21325  
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<400> 21325  
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 cctcccccat 130

<210> 21326  
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 <212> DNA  
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<400> 21326

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<210> 21327  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 21327  
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<210> 21328  
<211> 265  
<212> DNA  
<213> Homo sapiens

<400> 21328  
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tctattttta aaaatagtca acttttagga taaacctaag ggatttattt ctgtaacttc 120  
tcgggtatat cctgaatcat ttactaatca ggctagctat tttctctaca aatacagtat 180  
taccagttg gaagtgatgt ttataacctt caagaaatat ctgaaaaagg acagttttta 240  
atacactata atttacaag aggga 265

<210> 21329  
<211> 167  
<212> DNA  
<213> Homo sapiens

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gctgccggcc tttgtcatct gcagggcacg tgcagcccaa gtgtctggac tcagcgacat 120  
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<210> 21330  
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<212> DNA  
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agaacaagaa caaaattcca actaaaacat tctgcctttt tcaggaaaag cccgcttagg 180  
cccaccccg ccctc 195

<210> 21331  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 21331  
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cacttcatga gaacccaaaa tcagatgagg aatatagtag ctggttttta catcacatta 120

gagaaagatg	tgctgaaaaa	ggtaggaaa	acagtcttga	attgcctaca	ctaccactcc	180
tccatgcccc	agcagtgcct	gcgtgggtcca	taaagagaat	ctgtgtgctt	ggaggagaca	240
gagtacagt	attgtggaag	gttgcatgg	aactcagtgc	taccctgtca	cagcagaaa	300
caacatgggg	tggtcactcat	ccattgcccc	cagagggata	attgagatga	gcctcagcca	360
gagacaaata	atctatccta	gtcatcagaa	tctgggttcc	agcaggcccc	ac	412

<210> 21332  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<400> 21332	
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cagacagtat	taactcttat
cagacctgtc	catgtgctc
	60
	120
	180
	240
	300
	319

<210> 21333  
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 <212> DNA  
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cagcatcatg	tttctgttgc
ttgttttcat	gtccagcttc
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tccaccttta	ccttgtagtc
tttcagtcct	ctaattactt
aggcaaaact	gacaatatga
agagaaaagg	attttaaagt
	60
	120
	180
	240
	300
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	420
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<210> 21334  
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 <212> DNA  
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aggggctgga	taagatgctc
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	120
	180
	240
	274

<210> 21335  
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 <212> DNA  
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	60
	120

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ccccccagga	tttgggaact	gcaactgaca	aaagaagtca	gtctctctct	gggtgtct	238

<210> 21336  
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 <212> DNA  
 <213> Homo sapiens

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agacgagatt	gcagcactgc	attgcagcct	gggtgataga	gcgagactct	gtcttcaaaa	180
atattactac	gtgatgatta	acaattttgc	tgtagggcag	aaaatacgca	agagggaactc	240
cgagaat						247

<210> 21337  
 <211> 363  
 <212> DNA  
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agatcattag	gcattagatt	atcataagga	gcatacaacc	tagatccctt	gcattgtgcag	180
ttaataatag	gttttgcact	tctatgagga	tctaattgcg	cctctgatct	gacaaggggc	240
ggastcaggc	agtaatggga	gcaatgggga	gcggttttca	atacagatga	ggctttggtc	300
acttgccctgc	ctttcacctc	ctgctgtgca	gcttggttcc	caacaggcca	cggactgggtg	360
gtc						363

<210> 21338  
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 <212> DNA  
 <213> Homo sapiens

<400> 21338						
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gatgtaaaaa	aggaaaacat	tgggctagtc	aatgtcggtc	taaatttgat	aaaaatgggc	180
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tcccaattca	gccatttggt	cctcaggggt	ttcagggaca	acaaccccca	ctgtcccaag	300
tgtttcaggg	aataagccag	tkaccacaat	acaacaattg	tccctcacca	caagcggcag	360
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<210> 21339  
 <211> 85  
 <212> DNA  
 <213> Homo sapiens

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gacctcaggt	gatccgccgc	gccta				85

<210> 21340  
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<212> DNA

<213> Homo sapiens

<400> 21340

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ggccgacgga	tcacaaggtc	agaagttcga	gaccagtctg	gccaacatag	tgaaacccca		120
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<210> 21341

<211> 118

<212> DNA

<213> Homo sapiens

<400> 21341

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aggagcgtgg	aggacgtgtg	gttactcaaa	gaacagctaa	gaattttgca	atcgggccc	118

<210> 21342

<211> 90

<212> DNA

<213> Homo sapiens

<400> 21342

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aggcaggaga	attgtttgaa	cccaggaacc					90

<210> 21343

<211> 231

<212> DNA

<213> Homo sapiens

<400> 21343

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tgaaatttta	gcagagatag	ggtttcacca	tg	ttggccag	gctggctctg	aactcctgac	120	
ctcaagtgat	ctgccctcct	tgggctccca	aagt	gctggg	attacaggca	tgagccacca	180	
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<210> 21344

<211> 460

<212> DNA

<213> Homo sapiens

<400> 21344

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cccacaaata	ttctctgagc	acctaccttg	tgccagcgca	ttctgatgcc	atcagaaatt	180
tgcaaaagtaa	tataactctt	cctattcaca	aatgaggggac	ccgtgcttgg	agatggctcag	240
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gctgcaaaacc	tttggtttttt	tctactgagt	sacagtgtctc	ggtgtgatcc	tgactgttcc	360
caagaactgt	tttggtttttc	aagacatgag	agtacwyaga	gacagctaag	ccccatgtaa	420
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<210> 21345

<211> 389

097396-02

<211> 186  
<212> DNA  
<213> Homo sapiens

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gagagagagg gcaaataggg atagaagttc tcgctttggg tcacagggtt caggcttttt 120  
gacttgaagg ccgggcttca ccagggaccc gccctgtct gcctagagtt tctctgcccc 180  
ctgcag 186

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<212> DNA  
<213> Homo sapiens

<400> 21351  
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ctggaaacca tcattctgag caaactatcg caaggacaaa aaaccaaaca ccacatgttc 120  
tcactcatag gtgagaattg aacaataaga acacttggac acaggaaggg gaacatcaca 180  
caccgggccc g 191

<210> 21352  
<211> 176  
<212> DNA  
<213> Homo sapiens

<400> 21352  
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aatttttaaag ctttgattct ctttttacga agacgaaaat aaatctctct agtctgggcc 120  
tttttcgttt cccaggatta tgattaaaat taccactaac ttttagatag tccagc 176

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<212> DNA  
<213> Homo sapiens

<400> 21353  
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<210> 21354  
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<212> DNA  
<213> Homo sapiens

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gghca 305

<210> 21355  
<211> 89

<212> DNA

<213> Homo sapiens

<400> 21355

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<210> 21356

<211> 302

<212> DNA

<213> Homo sapiens

<400> 21356

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ctcctaaagt cttccaaatc gatttacttc ttttctctt tctactgcac taccatcatc	180
agagacccta tctctcaact tgtgtttcta cagtaaccta cagactggct cattccagtt	240
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gt	302

<210> 21357

<211> 124

<212> DNA

<213> Homo sapiens

<400> 21357

ctttgtgcct tgggtatttt gagtgaattt tagcccaata tatactctgc tggtttagag	60
taatgaaaac ctactacatt attcctaaca catttctaaa aagtaaaact attttgggga	120
ccca	124

<210> 21358

<211> 226

<212> DNA

<213> Homo sapiens

<400> 21358

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cttatgcatg acaaagattc tttaacaagt tacagaatga tggactgagc tatagcttcc	120
agaaaatatt ttttagttaa caagtgcagg aaatctttag gtccccattg aacagaagat	180
aatgtggata gttcaaccat atataagacc ttctcctccc acccac	226

<210> 21359

<211> 272

<212> DNA

<213> Homo sapiens

<400> 21359

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cccagccttc tctgactctg actttccctc ttgaaggcta ccggctctct gaccagttcc	180
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tcatccaggg ctgcatcgtc ctgcagaggc gc	272

<210> 21360



<211> 184  
<212> DNA  
<213> Homo sapiens

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gagcccagaa gaatgccttt gttgtccaac cccagtttga tgctctttgg gaatctgacg 180  
aata 184

<210> 21361  
<211> 312  
<212> DNA  
<213> Homo sapiens

<400> 21361  
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ctgccaaata acttcttctt tagcctgtaa ctatttcagt gcgcattatg attgtaatta 120  
gaaacaatgg aggcaggagc caggcctaca ttttatctat tattctatct gcttagtgca 180  
aaagtccttg actcctaate caggattttt ttttctcaga gggttaaaaa tagttttctt 240  
tttaaagatt tgtggactgg gcagacaatt aatggtacag aatccccacg catattgtgg 300  
gaatgaaaaa aa 312

<210> 21362  
<211> 164  
<212> DNA  
<213> Homo sapiens

<400> 21362  
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aaaagataaa gtacaaatta acaacgtcaa gaatgaaagc ggaa 164

<210> 21363  
<211> 117  
<212> DNA  
<213> Homo sapiens

<400> 21363  
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<210> 21364  
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<212> DNA  
<213> Homo sapiens

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cgccgt 186

<210> 21365

<211> 168  
<212> DNA  
<213> Homo sapiens

<400> 21365  
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 <212> DNA  
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<400> 21373  
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 aaggaatttg gcaactccca cccccct 87

<210> 21375  
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<400> 21375

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ctcgtgggct	tgcagatgtg	gtgggcgatg	cctaacgtaa	gatctctggc	attcagactc	180
cctggttttg	gggccactcg	gaccctctga	catcctggag	asttaaggca	gabtgggggt	240
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tggagaggac	ttgattaaac	aaggtataat	gtacttctct	ttcccatcca	cagatggatc	180
kgtctgtaga	aactctgttc	agcttcatgc	aggagcgcca	gaaaagatac	gccaaagtatg	240
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 agaagactgc catccggctg cccaaaggca agcagaagcc tataaagacg gaatggaatt 180  
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<210> 21381  
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 <212> DNA  
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<400> 21381  
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<210> 21382  
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<400> 21382  
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 gtttcaaagt taacttatta gtataaattt tttaaaaaag ataggccagc ctgggcaaca 180  
 aagtgaagacc cctgtctcta caggaaaaaa aaaaa 215

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 <212> DNA  
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<400> 21383  
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 agtggtagt gtttggaagc ccttgaagac cggg 154

<210> 21384  
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 <212> DNA  
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<400> 21384  
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 <213> Homo sapiens

<400> 21385  
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ca 122

<210> 21386  
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<400> 21386  
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tggcattttg tattaccaag accttgcttc acattaggtg ttttgtatac attatctcat 180  
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gatggcatgt cttgctctgg acccatgata taatgatct 459

<210> 21387  
<211> 141  
<212> DNA  
<213> Homo sapiens

<400> 21387  
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tbattcattt attcgtccag c 141

<210> 21388  
<211> 234  
<212> DNA  
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tgaattttctc aatgggaaag ctgacattga aaacaggacg actggacca acgtggtata 180  
ttcttgcaac agaggctaca gtcttgaagg gccatctgag gcacactgca caga 234

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<400> 21389  
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<212> DNA  
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 atgtgacacc tcagaacaca aaaataggca cagtaaagac aagaagaaaa ccagagcaag 240  
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<210> 21393  
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<210> 21394  
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 <212> DNA  
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<211> 433

<212> DNA

<213> Homo sapiens

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<211> 58

<212> DNA

<213> Homo sapiens

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<210> 21397

<211> 88

<212> DNA

<213> Homo sapiens

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<211> 307

<212> DNA

<213> Homo sapiens

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gatttcagag gaacctgaag acattgatgt tgtaaccact gcctccagct agacagctgc	180
gatgttagtt cattgggtgg taactcattt tcagcattgc tacctgcttt tgatgatatc	240
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<211> 119

<212> DNA

<213> Homo sapiens

<400> 21399

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<211> 252

<212> DNA

<213> Homo sapiens

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gaatgagaca	tgttttctgt	gcttctaagt	gttctgtccc	ttaggctgct	attgcttcat	180
gtttccatta	tggcaggttt	agagaatcct	taaaaagaaa	aattgacttg	cttgcctaaa	240
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<210> 21401

<211> 289

<212> DNA

<213> Homo sapiens

<400> 21401

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acaatagtat	actgcaggac	cctatgattg	ttaaatacgg	aactyaggga	gtgccagcyg	240
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<210> 21402

<211> 95

<212> DNA

<213> Homo sapiens

<400> 21402

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<210> 21403

<211> 170

<212> DNA

<213> Homo sapiens

<400> 21403

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<210> 21404

<211> 385

<212> DNA

<213> Homo sapiens

<400> 21404

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aattttaccc	aggaaggact	cacattgggg	cgaatgaacc	aagtttcgcc	atgctggatg	180

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 agcctcctaa aattctagcc atttgtcaca caaccacagc aagaaacgtg ttctatatct 300  
 agagtgtgcc catctgtgtt tagtacacat gcatgcatac acaccatac aaacmtstgt 360  
 gtgagggcag ttctggagat gagca 385

<210> 21405  
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 <212> DNA  
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<400> 21405  
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 gttgtgggcc ctgtccccctg cc 202

<210> 21406  
 <211> 163  
 <212> DNA  
 <213> Homo sapiens

<400> 21406  
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 aaagaaaata gtgattacaa agttatttga gagtttcccg tct 163

<210> 21407  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 21407  
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 ggaagttag agaaaaaaga ataaaaagaa atgaacaaa cctccaagaa atatgggact 240  
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 ccaagttaga aaacactctg caggatatta tccaggagac ttccccaatc tagcaaggca 360  
 ggccaacatt cagattca 378

<210> 21408  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

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 ccaaaccaca aacacccac agctgctaac cgtgataaaa cctaataatc aacaccagag 180  
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 ctgttagaag accggaggat aatacccata taccttaata aaggtgaact cccacagctg 300  
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<211> 187  
<212> DNA  
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cacataccca aactcaccta cacattcgta agctcctcac acttcaaggc tggggccacc 180  
cgtgcac 187

<210> 21410  
<211> 104  
<212> DNA  
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<210> 21411  
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<212> DNA  
<213> Homo sapiens

<400> 21411  
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gttgtgcagt ggatattgct catggaagtg tgtgaaaatc atagtaagct ttgttctccc 180  
tgctaagact tgctatgtat atttccatca ttgtttcatg taaactgaac cattgtggta 240  
aacttttgga gtwgatatgg aatcac 266

<210> 21412  
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<212> DNA  
<213> Homo sapiens

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ctgaggtggg ccgatcatga ggtcaggagt tcaagaacag cctggccagc gtggtgaagc 180  
cccgtctctg ctgaaaatgc aagaattggc ctggctcagc ctsntgagtg gctgggacta 240  
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<210> 21413  
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<212> DNA  
<213> Homo sapiens

<400> 21413  
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atccttctgc ctcagcctct ctggtagctg agactgcatg cccagctcca aatcaccttg 180  
attcatatca gcagtaataa tcacttgtgt nctgaaagaa agggcaccag aagttctagc 240

aaaattcagt tgtgttctgt gagcdagcac ttttctctet gacccaa 287

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<211> 255  
<212> DNA  
<213> Homo sapiens

<400> 21414  
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ggccgcaggg acacgaagga agagaaggag gaacccgaag agggctcgcc tagccggcca 180  
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gggaggaggg gctgt 255

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<211> 397  
<212> DNA  
<213> Homo sapiens

<400> 21415  
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taggtagggt aatcctgtat ccttactatt aattttatttc ccttttatac tccccccacc 120  
tctcctcccc aagagggaac aatgtttaca tcatttttta aaatggaaat aatgtattaa 180  
atgtgaaaca ttttttattt cagaactgtt cgtcaggtgg cacaggagca gttcttttta 240  
atgtgcacca gatgttgcac gggacaccgg cctgaccagg ggctgtcgat agtgggaagaa 300  
gcggtacatg cgggtggggaa aaggcatata tagaaaattc gtactttcca ctccgttttg 360  
ctgtgaacct aaaactgctc taataaataa agtgtat 397

<210> 21416  
<211> 441  
<212> DNA  
<213> Homo sapiens

<400> 21416  
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acaaacagac aaaatattag caacattaac aacaaaaaaa ctaactcatt tacaacacat 180  
ccttctgagg agatgtgggc ctacagttgt ctgtgggaca ataagcaatc agtgagtggg 240  
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gctgagagcc ccatagatac taatctgaag ttaataatta acataattaa tatgtactat 360  
gcctaaatat acatctcccc tcttccaaat gtttgattca aaactagcat tttcaccagg 420  
ctgggcaaca tagcaagatc t 441

<210> 21417  
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<212> DNA  
<213> Homo sapiens

<400> 21417  
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ggctgaacag taccagggg gactttctac ttgtgcatgg gcttggttta tacgaattgc 180  
cattaaacat cgctgcacct g 201

<210> 21418  
<211> 322  
<212> DNA  
<213> Homo sapiens

<400> 21418  
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aggatagttt cttgttggtc ttaaagtc tttataatta acttggttag ctctaagaaa 120  
aaaactttat tttgtattgg aatagcatta aatttaatat tttttaaaaa tgtttcatct 180  
actaacttac tgcaaagagt tttataaagt tgcctgtaat gattttttta tgkttttctt 240  
cattttttata aaggaaacat ccttgtgacc acaccgggt caaggaatag aactttatca 300  
atcatcccag aagcgcccc ca 322

<210> 21419  
<211> 175  
<212> DNA  
<213> Homo sapiens

<400> 21419  
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gaatcacatt taccatcttt tcgaccctgc ccawgttatt agcctccttg agccttcatt 120  
tcctgtctgt aaaatcagca taacagcact tacctcaagg atatgtggtg agaat 175

<210> 21420  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 21420  
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attcaaggga gtgatgccac caagattaag aaaggctggc tagagggtcca taataaaaga 120  
gagtccagtg tcatagcatc tatgtgagga gc 152

<210> 21421  
<211> 222  
<212> DNA  
<213> Homo sapiens

<400> 21421  
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tattttcagc ctttaaaatg taatttccat ctcttgcaat gaatttggtt cccttttttt 120  
tgcttcattt tgtttaaatt ttcaggtatt tagctcccct ttcataattat ttttaaat 180  
tttaattacc tgttgtaggg tgttcctcca gaagcaaaga gc 222

<210> 21422  
<211> 235  
<212> DNA  
<213> Homo sapiens

<400> 21422  
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tcatgagtac atcagtttg aatagaagaa agatgaggcc agattaagga ggatttttaa 120  
ggtaagccta aagcattttg agtttatttg gcaagttatt cccatcacct gccattgaag 180  
atttttaagg agtgaagacg ttaagtgggt tttaggaaga taaagctggc agcac 235

<210> 21423  
<211> 92  
<212> DNA  
<213> Homo sapiens

<400> 21423  
accgcctgct ttcgcttcca gccgcgcgct ccgtgccact gccgtctctt gcagccccgc 60  
gtccccgcag cctccccatg gccagccccg aa 92

<210> 21424  
<211> 419  
<212> DNA  
<213> Homo sapiens

<400> 21424  
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cttcccaaac actaatgtcg tgcacgtgaa cgtcaaggac ctgttaacat gaagattttg 120  
at ttggtagg tctgctgcgc ataatgaaat cctgcttttc taacaggctc ctgggtgatg 180  
cggatgctgc tgggaaatgt tagacatgca gaatcccagg cccccacccc caacctatag 240  
aatcagaatc ttcattctaa caaaatcccc agatgattta caagcacctc aaagtttgag 300  
aagaactgtt ctgggggttc tgtggtgtga cagccatggt gcttgagggc tcaaaggtcc 360  
aatccctgg tgcgggaccc ttcagataac tcagttgtta ccctaattga ggagcacat 419

<210> 21425  
<211> 206  
<212> DNA  
<213> Homo sapiens

<400> 21425  
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gtgggtaaac ccaaattaag cttgaatctc taagccccct tttggctggc tgccacccaa 120  
gggatatatg aaacaaacca tcctgagatt gcttttggga aaaagaaaga agcaagataa 180  
ccagggttgg gccaggcaga atcccc 206

<210> 21426  
<211> 117  
<212> DNA  
<213> Homo sapiens

<400> 21426  
gtacaaaata acaaacacat gcaaaagtag agaatagtaa catgaatcct catgtaccca 60  
tccccagatt cgataattaa aactcatagc caatcatggt taatctatat cccaca 117

<210> 21427  
<211> 441  
<212> DNA  
<213> Homo sapiens

<400> 21427  
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gtcatggaga taactttgga atccccgacc agaaataaaa ggtacaaatg aggctgggaa 120  
gaggtgacaa gggagagcgt gttagttatc caaaagacta tgtagagata aagggagcct 180  
ggggatactc ttacatccag atgtcacaat aacaaagaca aagctctagg gtttaaaagt 240

ttggactata	atctatcctc	tatcactaat	tttctgggta	gcctcaaaaa	atgtcattta	300
actcctctga	gctttaatgc	tttattttgct	caatgaagat	gttgaagtac	atgacatgtg	360
actgtgggtca	cctcaagcac	taagggtctat	atgtctctac	attagatgag	ggcatccaaa	420
atatattcca	tttaacagtt	a				441

<210> 21428  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 21428						
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ttaagcttga	tattaagaaa	ttcatattca	gatgcagtyc	tacatttgct	agaactgtcc	180
agagacaaaa	ttatgcttct	cccgaagggc	attattactt	acttgaaaca	gaaaccgagt	240
atgtgcctgt	tccagtaatg	gatatgtcag	ggtggaataa	tcaccctaac	agaggcagcc	300
acccaaagtt	tttgtgtttt	gactagagaa	aatgactctt	agcgatgcat	aagacacccc	360
tcaaaa						366

<210> 21429  
 <211> 262  
 <212> DNA  
 <213> Homo sapiens

<400> 21429						
acttaaagat	gaatgtttta	ttgaatttgt	aggtttagca	ctgtctttta	ttataggatt	60
agtaagatat	acaagaaaat	aaccaccgtg	ttgtgaaaaa	gtgaccaaaa	tcatgtacta	120
aatgcacagc	tttatgtacc	ctgtccacca	tcttgtgcct	cttctccatt	tgcctcttcc	180
ttcctatttc	ccttccgcta	aggaaaaaaa	ttndgtcac	atttgtaaaa	bbaattttta	240
tagttaatca	tctctgagag	ac				262

<210> 21430  
 <211> 235  
 <212> DNA  
 <213> Homo sapiens

<400> 21430						
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aagtcaagaa	cggcttccta	aaaagggtgaa	tgaacaaagt	ctagaaggct	gaaggctgag	120
cagaagctgc	aaggaaaagt	cacccgaaat	taaacgagca	aggcaggcga	gagcatcgga	180
gagtgaagagc	ttccaggagc	cggatgtgcc	tggggacggg	gcttatgtca	aggac	235

<210> 21431  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<400> 21431						
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taacattgta	ttaatccatt	ttcatgctgc	tatgaagaca	tccccttgac	tgggtaattt	180
ataaagaaaa	gttggttaaat	tgactcacag	ttcagcatgg	ctggggaggc	ctcaggaaac	240
ttaacagtca	tggcagaaga	ggaagcaaca	tgtccttttt	cccatgacag	catcatggag	300
atgtgccaaa	caaatgggag	aacagcccgc				329

<210> 21432  
<211> 441  
<212> DNA  
<213> Homo sapiens

<400> 21432  
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ctcccactca aactccattt ctccacctag gaggagaact tgaccgctag atgtggtttg 120  
tggttcagaat aatcaggggc gggttacaag ctcccccatc acgcacntag tgtccacaag 180  
tgtgcacatc tccactaagt tccccagctg caaggaagca gcttgtattt gcagtaaaaag 240  
ctgtagttag cagtgtcagc tctttttgcc agcctaaagc ttgtgagaga cactcaactc 300  
aattccacct gagtctgatg aatttaatgg aagaaaactg aattcccagg aagtgtggtg 360  
gtctaacaaa ttccatcaat aggaagcatt ttcttgagtb ctgtacttca aatatgctat 420  
ggaagcagcc acattccttg t 441

<210> 21433  
<211> 92  
<212> DNA  
<213> Homo sapiens

<400> 21433  
aaaattcacg ggcagaatgt cccctttgat gcagtggtag tggataaatc cactggtag 60  
ggagtcattc gtcctcaaaga gaaactggac gc 92

<210> 21434  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 21434  
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ttttgtcttt gactattcag tagccatttg atcttgggca attaacttca cttggggttag 120  
taacttaatt ctttgtctca gtagccacac ca 152

<210> 21435  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 21435  
cagggggtga ggtctctgca ccctgggggg gscttaggac ctggactcag cctctgagat 60  
gttgggagag gctactccca cccctgggtg accccagt 98

<210> 21436  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 21436  
tbaaagaggt ttaagtgatg ccagttctg catggctggg gaggcttcag gaaacttaca 60  
atcatggcag aaggggaagc aaactcgtcc ttctttacat agtagcagga gagcg 115

<210> 21437



<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 21437  
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aagagagaga taggattttaa' ggaatgaggc aaacattttaa attgttagag taagattact 120  
ggaagaaata gacgtattgt tttaaataaaa agcagtaatt taaatcaagc taatcttttt 180  
ggccagaaat acctgttttg aaagattttt ttttattaac acttcatctg agaaatggaa 240  
agcttatttta aaaaaaaaaa aa 262

<210> 21438  
<211> 586  
<212> DNA  
<213> Homo sapiens

<400> 21438  
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aaatagcatt ataacattaa agaaaatttt ttaaaaaattc tgtaccataa aacaattact 120  
ggttccttcc tacctgtttt taggtttgca gatgaataat gtgtggattt ttggcagaca 180  
cactgctgaa aattttttcac tttgttgggt gagcatctca ccctatctcc atttgtctcc 240  
ctgctctgag ttctagagaa gaccaccaat aagcaagtga aattcttttg ccaagtcact 300  
gatatcagaa ttccccagag gcaccaagaa ctttgatttc cagaaattgt ttaggcacag 360  
ccactcattc aaccttatat tttgtatctc agagttaagg ttgcatttgg gctacctagc 420  
ctgtagactc tatttttaaga caagcaggca tttaatagtt gttggttggg tgattagagc 480  
ttctagccaa tttttaaaaa ttatttgaat agataaggca ttcactgggt caaaaaaaat 540  
tttttaatatca tcacttccac ccatccagtt atcactactg aagtaa 586

<210> 21439  
<211> 349  
<212> DNA  
<213> Homo sapiens

<400> 21439  
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tcattggttt ggcaaagggg ttgaggtctg ttgctgcctg gactccctgt gaatgtgtgt 180  
ctccacatg ttagtagtgc ccggtactca atcacacat ctttgtgtca ctccagtgtc 240  
catttctaag ctgccccttt gttgatttca aatccgccat gggctgactc gaaattctca 300  
cgccttgggt ctttattctc ccttcttttg tctggtcctg tccctcctg 349

<210> 21440  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 21440  
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ccgtgggaaa ccggaaccca ggcgtctggc cccaactgg ggtaacaacc tcccacgtcg 120  
tcccctaggg aaaactgcgc tgcaactggc tgctgccgtg aacaacgccc gagccgcccg 180  
ctcgttctc caggccggag ggn 203

<210> 21441  
<211> 217

<212> DNA

<213> Homo sapiens

<400> 21441

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aaagcttaga	ataatcctat	atgctagata	agattattta	cattgtaaaag	gaaacagara	120
cacaaagata	ttaagtaact	tgccaaagga	ctacatggct	ggtaagtgac	agaaacaagg	180
cttaaaatcc	aaactgtctg	attgcagagc	ccaggaa			217

<210> 21442

<211> 319

<212> DNA

<213> Homo sapiens

<400> 21442

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catctggacc	caaaaccctg	ctctctcccc	acaaccccat	taatataaac	gaactgtctg	120
tgcttctatg	caaagccatc	tacttccctt	gggccctgta	ccccatcctt	tctctattat	180
tcaggacatc	actctagcaa	ttgtcccttt	tgtttctcca	tcacaaatt	ttccttctat	240
ackacataat	tccctctaaa	taataacatt	tttatttctc	acaattcaaa	aacaaaacaa	300
aaaatgatca	catgacccc					319

<210> 21443

<211> 461

<212> DNA

<213> Homo sapiens

<400> 21443

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caatcttgta	atttttctat	gataaagaca	ctggaagctc	gagaacaaaa	gcattatagt	120
tgccatgtg	atgttgcttt	acaaataaga	atatttctgt	aaatgtcct	accttctgtc	180
agtaatctct	gtccatcatt	agttaaagt	ttatataatc	cttcaatttt	aaattataaa	240
aattattgaa	ctaaaatttt	agcaaaaatg	aaatggaata	tgccctcttct	tttctgaaca	300
acgctaaata	tgtctctatt	tatcttttaa	tatgaattat	aaaacctacc	agagagagtt	360
gctctaagga	ttaaagtaga	ttctgtgtgt	gggtgtgtgt	tggtgtgtgt	gtgtgtgtgt	420
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<210> 21444

<211> 205

<212> DNA

<213> Homo sapiens

<400> 21444

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agaactcttt	tagatgaaat	cattctactc	aaatgtacct	taattttttt	ttttyccctg	120
agtaaaagca	agaaatttct	yccttkggaa	aaaatatata	tattaaaaaa	ccacttttag	180
akggtttttt	ttaaaaaaa	aaaaa				205

<210> 21445

<211> 120

<212> DNA

<213> Homo sapiens

<400> 21445



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tgggccct	tgacat	gccat	tcccact	gttgcac	ctccc	acatcct	caa	180
gctaacac	ctttgc	attttt	caagtct	cagtttaa	acgtg	acttctt	cca	240
cctgcac	cca					gaaggc	actc	250

<210> 21451  
 <211> 115  
 <212> DNA  
 <213> Homo sapiens

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agaagg	acca	gaaatc	ctgtc	gtccca	agcc	aagtc	ctggt	gggtc	agtg	ggtc	115

<210> 21452  
 <211> 143  
 <212> DNA  
 <213> Homo sapiens

acttcc	acgg	ctcag	cg	tca	ggca	ag	ttgg	cctct	ctgt	gtaa	attag	tggt	aagg	tt	60
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gcgggt	gatt	ggcttt	tttt	ttt											143

<210> 21453  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

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aaatg	gt	caa	ta	ag	catg	aaa	at	atg	ct		caac	at	catt	aact	ag	180
acaa	ata	aaaa	tc	atg	gtg	ag	at	acg	act	tc	at	acc	acta	gg	atg	240
acag	ata	ata	acc	ag	cattg	gga	aga	at	gt	gg	ag	ct	gt	ta	gaacc	300
tg	gga	at	gta	aa	atg	gtg	ag	cc	att	gga	ag	at	g	ttt	ggg	360
aac	ata										ag	t	c	ta	aga	366

<210> 21454  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

atta	at	tttt	gt	ata	agg	tg	ta	agg	agg	at	cc	ag	tttt	ag	cttt	ctac	60
cc	ag	tttt	cc	cag	ca	ca	at	tatt	aa	atag	gta	at	c	ct	ct	cccc	109

<210> 21455  
 <211> 312  
 <212> DNA  
 <213> Homo sapiens

cact	tag	aaa	tt	gt	at	attg	ag	t	g	ct	c	act	at	g	t	g	cc	aaa	catt	att	ct	gg	t	act	gg	gag	60
------	-----	-----	----	----	----	------	----	---	---	----	---	-----	----	---	---	---	----	-----	------	-----	----	----	---	-----	----	-----	----

gtaaagcaat	taacaaagca	tatgaaat	ctatcctcgt	gaaacttatg	ttttggtggg	120
acaagataga	caataaacag	aaaaatagat	aatttggcaa	tgaaaatcag	tgctacaaag	180
aaaaataaag	caaattcagg	ggtgatagtg	ctgagtgtgt	gtgggtgggg	tagtgtgggt	240
gtggatgaag	ggcgtgtgtg	catgtgtgty	caattttaa	taggactgtc	aggaaggta	300
tcacatacga	gc					312

<210> 21456  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 21456						
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<210> 21457  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

<400> 21457						
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aaccttctat	ctctctgagc	tgaagctaaa	atgttagagg	gcctgctggc	cttgtacttt	120
ctcttactgt	ttccttccat	tctctgacat	catctccttc	tactcctctc	tttattgact	180
ccactctctg	ctctgtcctc	attgctgttc	cttgaaccta	ctaacctctt	ttctgtctca	240
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<210> 21458  
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 <213> Homo sapiens

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gggagtgccc	ttgagcccct	tttccttagc	ctgcagggtgc	ttcaatggat	catggggcaa	180
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agataacttg	tgtgcatata	agctagaaca	gtataagggg	ccgggcatgg	tggcttacgc	180
ctgtaatccc	aggacttttg	gaggccaagg	cgggcagatc	acctgtcagg	agtttgggac	240
cagcctggcc	aacatggtga	aaccccg	ctacaaaaa	tacaaaaatt	agccgggcgt	300
ggtggcgtgt	gccactgtag	tcccagctat	tcagaaggct	gaggcaggag	aatcacttga	360

acccgggagg tggargttnc agtwasctga gatcacgcta ctgcattcct gcttggggcga 420  
cagagtwaga ctctgcctca 440

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<212> DNA  
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<400> 21460  
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atttctacct atggcatgaa ggcttcagaa tgaaataggc ttgctgattt ttgtagtttt 180  
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ttataattgc attc 254

<210> 21461  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 21461  
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tg 122

<210> 21462  
<211> 330  
<212> DNA  
<213> Homo sapiens

<400> 21462  
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attgtttgat ttatttattt ttttgattta tttattttat ttatttattg tgtgatttat 180  
gtattgtttc ctttgctttt gtacatttag attgtgtcca acttttctct attttagact 240  
aaactgcact gtgcattcta cgtacacatc tttgtatatt catgctagtg ttgctctgca 300  
ataaaatggt agaaatgggc tcctggtaac 330

<210> 21463  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 21463  
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aargarggca aaattttgac aaggaag 147

<210> 21464  
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<212> DNA  
<213> Homo sapiens

<400> 21464

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gatacccytt	taaaaatacc	tctttaatgt	attaccgtta	ataaagtttt	gaaacaagca	180
caactaaatg	tattattttac	atgcacataa	aattgagaat	attggttaat	tcttgaaatt	240
tcacatgtgt	ccaaaaatga	ccaagagata	gggataggga	gaaacattta	ataagatcgt	300
tttggtaatg	ttctagttct	tgggcagtga	gattacagtt	gttcatttta	ttattaaaga	360
aaatTTTTga	aatgtaagag	gacaacacat	ggaccagtga	ttaagttcat	gtatatgaca	420
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<210> 21465

<211> 434

<212> DNA

<213> Homo sapiens

<400> 21465

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ttctcttttg	cttgagagaat	tacgggaaaag	gggtagaaga	gctcaagaaa	gacaccagaa	180
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cagattgggtg	tgggaaaact	caaggacaga	gaaattactt	tsvmaattct	cagatatctg	300
ggaagatatc	aggctgagca	ggaaccacat	tccagtaacc	ttgaacaggg	cggagacagg	360
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<210> 21466

<211> 232

<212> DNA

<213> Homo sapiens

<400> 21466

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ttagattatg	gaaggattaa	ggaggctatt	ttatgaagct	ggaaagggtgt	gaaaaaagca	180
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<210> 21467

<211> 375

<212> DNA

<213> Homo sapiens

<400> 21467

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gattgtgttt	ttaccaacat	atgaaactgt	aattatccat	gagcaccgta	ctgccttttg	180
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gtgatgtgga	atcaamwttg	tctttctgaa	aagctggaga	tattcatcat	agcctggact	300
gcctgggata	tacatgtttt	ctcctgtgtg	taatgatgtg	aaacacttta	ttagcagagg	360
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<210> 21468

<211> 342

<212> DNA

<213> Homo sapiens

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 gcctggtcgg cgcgcgygga gaaaagaagc agtcaagccc atgaactaca accccggttg 180  
 ccgctttctc ctctcctaac cgttaagtgc gctaagggcc atggctgagg tgcacgtgat 240  
 cgggcagatc atggggggcca gcggtttctc ggaaagtagc ctcttctgca agtggggcat 300  
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<210> 21469  
 <211> 146  
 <212> DNA  
 <213> Homo sapiens

<400> 21469  
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 cactgcactc tagcctgggc aacagagtaa gacaaaamaa tatatatata ttgaaaatca 120  
 arggwggcar aattttgaca aggaag 146

<210> 21470  
 <211> 141  
 <212> DNA  
 <213> Homo sapiens

<400> 21470  
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 taatgagttg taaaaaccag t 141

<210> 21471  
 <211> 68  
 <212> DNA  
 <213> Homo sapiens

<400> 21471  
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<210> 21472  
 <211> 356  
 <212> DNA  
 <213> Homo sapiens

<400> 21472  
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 aaggatgaag atgtgtaaaa gataccttaa ctccaccaag aggggctgct gagttggttg 180  
 tgtaatggag atttatttag tcattgtcct tgagtttctg tgtaacctgg gtagaaagag 240  
 agctctgaga acacaaaaag atggggtgga gtggrnbhta agagctgaat ggttgtgaaa 300  
 aataaaatgc attaaaaagg cattaaagaa gacatagtta tcaactgaaag gctata 356

<210> 21473  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens



<400> 21473  
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 aactggcagt gttgtagggg ascwtcagta ttaagttctc ttcgcctc 108

<210> 21474  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 21474  
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 gccttctaga gagtttttct tcctggtatc cagagaactc ttttaacccat attatggctt 120  
 atttgaatat tcagccaatg acacatacac agatat 156

<210> 21475  
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 <212> DNA  
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<400> 21475  
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 gctccccagg aaggtccttg ggaagaaaga gtttcgctct tgttgcccag gctggagtgc 180  
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<210> 21476  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<400> 21476  
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 ccactgaaga cccagctta cactagggat aaacacaaaa tgagcatagc aaactttctc 120  
 tatgcccaag aatgaatcag ttgctggctt acctcaccca cagataaact ctcttgctct 180  
 tctgtgcca c 191

<210> 21477  
 <211> 355  
 <212> DNA  
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<400> 21477  
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 ggtctatctt tgggttctct attctgttcc attgatcaat taatgtatac ttacacaaat 180  
 gttacactgt cctgggtacc attttttttt ctttgagaca gagtctccct ctgtcaccca 240  
 ggctggagtg tagtagcgca gtgttggtc actgcaacct ccgccttctg ggttcaagcg 300  
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<210> 21478  
 <211> 56  
 <212> DNA  
 <213> Homo sapiens

<400> 21478  
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<210> 21479  
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<212> DNA  
<213> Homo sapiens

<400> 21479  
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agggtattag ctgggtctcat ccctaccatg ccggggaaca gcatttggat caccgcagta 180  
gcagcccaag gagacacaca agtagctgct ttctcggact gtattatttt ctgaaacaca 240  
tccannagga gctggacaag gagctggggg agagcgaggg cctcagtgcac gacgaggaga 300  
ccatctccac nanmgtgtgt ccggcgggcg gtcc 334

<210> 21480  
<211> 256  
<212> DNA  
<213> Homo sapiens

<400> 21480  
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gaaaaagknt tattaatgac cgacacttat tagactcagt gacaatccaa gcaagcaawt 180  
tatctggtgc ttacaagctc aggggcaaaa ttaaatacagc ttcagtgtga aaagatcaac 240  
atccaggagg ccaaat 256

<210> 21481  
<211> 413  
<212> DNA  
<213> Homo sapiens

<400> 21481  
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tcttagaaga cagaggcttc tgcttccctc tcccgtgacc ccaacaatcc cttcccacag 180  
gcttggcaca gaagttcagt gcttttctta cgtctcatgt tgtcagaaat aggttctcac 240  
cataatagac agtggtgaaa tttccattgt tcctactgag aagtccattt ttaaggcatc 300  
agaggtgaat gtgtattnrg ggaknggggg rnggcattat acaacaaagc tgtattttaa 360  
ataacacaat catatcatgc tataaacaat agcagttcca gaatggctac taa 413

<210> 21482  
<211> 232  
<212> DNA  
<213> Homo sapiens

<400> 21482  
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gaacggggcg ccctgcgaaa ccgtcgccag ccacgcgtcc ttgccgtccg acgccccctc 120  
acattkggag gaccccgat ctctcccgcc tccttcgggt cgctctccgg gctttctcag 180  
ggtaagacga cctctggatg ctcaccctgc cctcttcacc tctcgcccc tc 232

<210> 21483  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 21483  
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cgaggacgtg gctgccgcag cggaaccgc aagarcttgg tggtaggaac gccctccccg 120  
accctctccc ggcccctgtc gccattgtcg gtcccaacgg caggcagcag ccccttgat 180  
agtctcggga atttctcggc tgctctgcc cttaaatttc cctttgccg gaggtgagt 240  
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<210> 21484  
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<212> DNA  
<213> Homo sapiens

<400> 21484  
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atactataaa aataacttac tagaaaaatg aaataaagat attgttttag tctgttttct 360  
attgcttata acaaaatacc tggagttggt taatttgtaa gacattaaat gtatttcctt 420  
cagttctgga ggctgggaag tccargtcag ggggtgcac tggtgagaac cttctgttg 480  
ttcagactct ctgargagtc 500

<210> 21485  
<211> 94  
<212> DNA  
<213> Homo sapiens

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ctggaggccc ccacactatc accactgaat gtct 94

<210> 21486  
<211> 344  
<212> DNA  
<213> Homo sapiens

<400> 21486  
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aggccgggtg ctgtggctca tgctgtaat ccagcactt tgggaggcgg aggcgggtgg 120  
atcacctgag gccagccgga aactttaaac cagaggttta aaagccttgt tttggccata 180  
gtacatttga gaaaccagat agactatatt tatattattt gagtgaatat ttagtaaatt 240  
gtccactaga agagaccaga attgctttgt gttctgtaga agagcagatc cacagccaca 300  
aatgtcaagt ttacacagag gtgcacttca dbccagccca cgaa 344

<210> 21487  
<211> 385  
<212> DNA

<213> Homo sapiens

<400> 21487

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taaaaagctt	taaggagctt	ttaactgaat	aggcaaaaac	cacatgtgca	taccatgacc	120
aatgtgacct	ttccaagaca	taaatttaat	cgcaccatgg	cagagccatt	taagaagctt	180
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tgtaacctct	gatttctccc	acactcatca	cccaccacca	ttccttaact	tcattcatgc	300
caggctagta	ataataatga	tggctaagct	ttgttgagct	cttaccatac	agctgagtac	360
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<210> 21488

<211> 84

<212> DNA

<213> Homo sapiens

<400> 21488

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<210> 21489

<211> 190

<212> DNA

<213> Homo sapiens

<400> 21489

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ggctttgaga	accaaggctt	gaaggccggc	aggagcatcc	agggggaagc	ttggcttcag	180
ggaggaacct						190

<210> 21490

<211> 468

<212> DNA

<213> Homo sapiens

<400> 21490

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ttcagaagtg	cctgggagtg	gcacagtgga	aactccgctt	gcacggacca	tggagtctgc	120
tcaggaccat	gctgtaggac	acacagcctc	atgctgctgag	aaagcaaagg	aagtgtctggg	180
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aaagatcacc	ttctgatggg	gtgatgtgct	cctgacattc	ggvngaggtc	tgtattctga	360
aaaagatttta	atggcctgtg	aaacacgtgg	attctgtttg	actggatttg	taataaatga	420
cgctgaactt	cctgcttcca	agcagctcam	cctgatgtctg	aactgaca		468

<210> 21491

<211> 127

<212> DNA

<213> Homo sapiens

<400> 21491

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ataaaataac	tgtctgctac	tcttctaaag	tgtaagagc	atgcagtaga	ctaaggagct	120

gtccccct 127

<210> 21492  
<211> 173  
<212> DNA  
<213> Homo sapiens

<400> 21492  
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<210> 21493  
<211> 230  
<212> DNA  
<213> Homo sapiens

<400> 21493  
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agaggagcaa atgagtgggg gaaagtgtga gaggaagagt tggagaaaag tcgggggaaa 180  
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<210> 21494  
<211> 134  
<212> DNA  
<213> Homo sapiens

<400> 21494  
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ttggtgcacg gtgcacgtg accakcctgg aagcactgcg ggtgtcgcca agccctttcc 120  
nknagacctg catc 134

<210> 21495  
<211> 267  
<212> DNA  
<213> Homo sapiens

<400> 21495  
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tagtcaactga gcacctgcgg tccatttcct cttaaaagtt ttgttttgat ttgtttccat 180  
ttcctttccc tttgtgtttg ctacactgac ctcttgcggt cttgattagg tttcagtcaa 240  
ctctggatca tgtcagggac tgataat 267

<210> 21496  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 21496  
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gtatccattt cccgaaagaa aagactcttt tccgtcccat gaaactgaaa gggcattcga 120  
aggcttcac ataaatatgc acaaattacc tgataattaa aaaggggaaa tagtaactat 180

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208

<210> 21497

<211> 468

<212> DNA

<213> Homo sapiens

<400> 21497

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ttttgggggc	catgtagcat	gggccacgta	ggaggctcct	gacttgccag	gggccagacc	180
tcagcatacc	caccgagcag	ctgccagcct	gggctgaggg	tgggcatgag	gcaggagtca	240
gcacttggac	ctagggatgt	gaggttttct	gtgccccaa	tttgtgggaa	ggtgggact	300
actgctgggc	ccacagacac	agccagctgg	caaaaggagg	gtctagccca	gcagagagat	360
gaggacattt	tgcttctcct	tcatgcccac	agcatgagct	gagcttctgc	tttgctggaa	420
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<210> 21498

<211> 343

<212> DNA

<213> Homo sapiens

<400> 21498

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aatgtggcat	ttcataaaaa	ttgcatgtga	cacatggaag	cccctcatta	gcagggtggc	180
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ttgggtatgg	ttttccagaa	gaagcaaaa	ctgtcattag	ccagttgatt	cctttgtggg	300
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<210> 21499

<211> 255

<212> DNA

<213> Homo sapiens

<400> 21499

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ctgagtgtta	caggtctcta	ctattacaaa	aggtgaaata	aatagagatg	tgaaattgga	180
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<210> 21500

<211> 208

<212> DNA

<213> Homo sapiens

<400> 21500

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agctagctgg	ggggtctgaa	tatgatgaag	caaatgtcaa	gctgggtttt	ttaaaggcag	180
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<210> 21501

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atccctcccc cctccccga ccct 144

<210> 21506  
<211> 79  
<212> DNA  
<213> Homo sapiens

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tattttatct aacgctgca 79

<210> 21507  
<211> 279  
<212> DNA  
<213> Homo sapiens

<400> 21507  
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cactcactta ctgatgagca ttttaggata tttccaattc tttactgttg caaacaatgc 180  
tgcaaggaac atccctgcat aagcatccat gcctcttcat gcacatgggc aggtatttcc 240  
cgaggacaga tagccagcag agggtcacaaa gaggacgcc 279

<210> 21508  
<211> 138  
<212> DNA  
<213> Homo sapiens

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acctgcctcg gcctcccaaa gtgctgggat ttacagacat gagccacat gcctggcctt 120  
tttttttttt tttttttt 138

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<211> 350  
<212> DNA  
<213> Homo sapiens

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ggcagtgagc aagccggccg cgtgtccctc cttacagggg atgaaatgac ctggggagga 180  
aaccacagcc ctgccctgga ggttcacagag taggcgggccc ggtgctgtga ggcttcacaa 240  
cctgctgtcc caagcacgct tgagttgtat gtgagtctgt gccgtgccgt gccgtatgct 300  
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<210> 21510  
<211> 258  
<212> DNA  
<213> Homo sapiens



<400> 21510  
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tcaagaaggt acttggtgag gtttggtacc tgggtatatg gccatgatgc tgagggttgg 180  
catacaaatg atcccatgat cagggtactga gcatgggtacc caacagttaa tttttccacc 240  
ctttttaacc cctcgccc 258

<210> 21511  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 21511  
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<210> 21512  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 21512  
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tacagcagaa aaccacccaa aggatatatg actcttttgt gcaagtgttc atatattctg 180  
aagaaaagag gcattaaagt gatagaattg tgaactttgc ttggaattct atttattttt 240  
attatttttt attacaggca gagacttttg gagcaggaag gggccacaga gagagtaacc 300  
tcccaa 306

<210> 21513  
<211> 413  
<212> DNA  
<213> Homo sapiens

<400> 21513  
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tcagtgatac ccagagarga gtgtgataac caattctctc aaaagcgatt tactgcagat 180  
gttttcattt gcagtaagtc cttacttaac attgtggata tgttcttgga aacagtgact 240  
ttaagccaaa cgaggtagtg tgtggcttca taactcaact ctttttccta tcaattagac 300  
tatgggaaaa ctgggttctg atgcattatg tccttttgct tgaagtggta gtttccaaga 360  
acctatcaat gacattaagt gaggacttat tgtaatctga tatccgcggg tga 413

<210> 21514  
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<212> DNA  
<213> Homo sapiens

<400> 21514  
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agaggaagag ttctgtggga ggaaaagacc tctcctcccc cttggagcgc cttctctctg 120  
cttttgagga aargggaata cacgataaag aaggagacgg aaagaagaga aaaagtgagg 180  
cgggagacag agggaaaagg gcgtaag 207

<210> 21515  
 <211> 204  
 <212> DNA  
 <213> Homo sapiens

<400> 21515  
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 ctaatagacc ctTggttttc tcctaattta attatttcaa gtcaagcaaa attgggcaat 120  
 tttctttcag gaaaaaaaaa atattgasca tgattttgag gtaaaactga ttatttacag 180  
 catcttTyt ctaataggct aaaa 204

<210> 21516  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 21516  
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<210> 21517  
 <211> 436  
 <212> DNA  
 <213> Homo sapiens

<400> 21517  
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 cttcctggga cttttcgggc acagctggcc ggtggcgaca gaacggactt tctttcctgc 180  
 aagagtctcc cctccagcgg gagacagcgg gctcctgtct cgggacgctg ggacacctgt 240  
 cgcctatttt taaatatcca gattccaaga acacactgga tactgctctt acaaaaccaa 300  
 gaggaaatca tgaagaaatg ttttagtgnt tgaaactaca gttgaaatca tggatacatc 360  
 aacaaatctg gatattggag cccagcttat cgtggaagag tgtcccagca cttatagcct 420  
 aactggcatg ccagac 436

<210> 21518  
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 <212> DNA  
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<400> 21518  
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 taatacagag cagcattttt gtaacaaaga gactcgctgg agctatttgg tgcttgaatg 180  
 tgaccatcct ttttactttt gctaagcctt atttaaattt tgtataccgt gggt 234

<210> 21519  
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 <212> DNA  
 <213> Homo sapiens

<400> 21519  
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gcttttaaat	atgattttat	gtgaagtgcc	atttctttat	tctactaaag	agagacagca	180
gaaataaaga	tcagaagcaa	atgtgagcaa	atctgtttta	ctgttaactt	caattatgaa	240
cttgaaattg	tgccaca					257

<210> 21520  
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 <212> DNA  
 <213> Homo sapiens

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tctgaaactg	ccaatatttt	ctgatcggta	ctttcatttt	tctagttggt	taccaaatac	120
tggtattggt	attattttcta	tataaaaggc	tttaagaaga	ctatagtata	attttcttaa	180
gaaaaaagac	atgattataa	gctaaaatat	gccttcgggt	ttgtgtgtta	caaattgagg	240
gagattgaga	atatttttaa	tcaagggcgc	a			271

<210> 21521  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 21521						
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tgactttccc	tgtgccctgc	actctcccct	tctgctttca	tctccttaag	aaagtgccca	120
gaaagttaaa	cccacacaca	aacacacaca	cccc			154

<210> 21522  
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 <212> DNA  
 <213> Homo sapiens

<400> 21522						
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c						61

<210> 21523  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 21523						
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accagtatgt	aattatagtt	gcagagttac	taataatttt	caaagatttt	caagtatgtc	180
ttttgggcag	ttagggttaa	ttttgttttt	gttgttttgt	ttctgtgttt	aanaagcaac	240
ttactatgag	acatattctt	tctcaggaac	ttcaaagact	gtkkgccttt	aaaattaatc	300
ccctcacc						308

<210> 21524  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 21524  
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cacggacagc ggccgccagt cggaaccgag gaggccggg ttgcggtgag ccgagatcgc 120  
gccattgcct gggagacaga gccagactct gtctcaaaaa aaaaaaaaaa aaaaaa 177

<210> 21525  
<211> 355  
<212> DNA  
<213> Homo sapiens

<400> 21525  
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cagtgggtgca atcacagctc actgcagcct ccgcctcgcc agctagggtt ttggattggt 120  
tgcagatatg ggttttcacc atgttgccca ggctgggtctc aaacttcttg gctcaagcaa 180  
tccaccacc ttagactccc aaagtgtctg gattacaggc atgagccacc ayaccagcc 240  
acaaatagaa attttccaat ttccattatg aatgagaaaa atgaataaaa caagaattat 300  
aaaattaaat ttttcaaag ctaattaaaa atacttgaaa agtttaccag cctaa 355

<210> 21526  
<211> 249  
<212> DNA  
<213> Homo sapiens

<400> 21526  
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taaaaaaact agaagaaaat ttacaaaata tgattgtstt taagtaatgg gatttggaag 120  
gattttttga tgtcttcttt cagcttttct atgtcttcta aaattcctat aaaaragcac 180  
ttgtttcttt ttattgggtg gggcgaagta aatttatctc aatgagttga tgcatttgaa 240  
agcgctctc 249

<210> 21527  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 21527  
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acggaggctg cagcatctgt gtcgttctac tgagcacgct tctctgctc gtcctgact 120  
cagcactttg ttcactggct cagcagttat gtttacacat catttttatg ttctgtctt 180  
gtaattcatg tttgagatgg gaggccac 208

<210> 21528  
<211> 297  
<212> DNA  
<213> Homo sapiens

<400> 21528  
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tacatgctgg ttgtatatga agaattattac atatctgaaa ctttgaggtc caaacacaaa 120  
tagaatctag ttcattcctg tgtttaaagt gatgtaatag acagataccg gaaatataca 180  
aggagtttgt gattagtctt gtgagcatga ggtttaaaaa gattgtaaaa gtggcaatag 240  
cagaataagc aaatacatgt acaataaaaa taaaacaaat aaaaatgaag aggacaa 297

<210> 21529

<211> 383  
<212> DNA  
<213> Homo sapiens

<400> 21529  
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gcgctggcca aggcgtgttg caaacaggaa cccgaggtgt tcacttcact gttgaaggaa 120  
cgagagggca tctgctaaag tttcagattc catttctgct cagtatccag tagtggakta 180  
tgaatttgat gcagtgggtg taggcgctgg aggggccggc tttgcgagct gcatttggcc 240  
tttccgaggc agagtttgat acagcatgtg ttaccaagct gtttcctacc aggtcacaca 300  
ctgttgacgc gcaggtagaa aattatggca tgccgtttag cagaactgaa gatgggaaga 360  
tttatcagcg tgcatttggc gga 383

<210> 21530  
<211> 269  
<212> DNA  
<213> Homo sapiens

<400> 21530  
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tgtattctac ctactactga acagagtttt aatttcataa attacttga atgtcatata 120  
tttyyataat ttctacgatt tagamagttc taattaawta caagydatct cctctttgca 180  
tatataaaca aaataattct cagagtagaa atcgaagtga acattctact gtgtctgtgg 240  
ctgcagttgg ggggtgttgtt gaggataac 269

<210> 21531  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 21531  
aactctaact ttctatacca tagtcacagt attctctcaa tgattccaac taaaacaacc 60  
ctgagtgtcc atctgtctca ttctatttag aactttcatc aaaccaagaa gatgccgtga 120  
ttgtggagma accagaagtg attmmattaa cagagga 157

<210> 21532  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 21532  
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tgaaatggaa tggaattgaa tggaatgtaa ttactcga tggaatggaa tggactcaaa 120  
tggaatagaa tggaatggaa tggagtggac tagaatgtaa tggaatggaa tggatttgaa 180  
aggaatagaa gggaaggaa ttgaaaggaa tggagtggaa tggaatggaa tcgaatgaga 240  
tgaacacgaa agcaatggaa tggactcga cggagggaaa ggaatggact cgaatggacc 300  
ggacat 306

<210> 21533  
<211> 104  
<212> DNA  
<213> Homo sapiens

<400> 21533

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<210> 21534  
<211> 348  
<212> DNA  
<213> Homo sapiens

<400> 21534  
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gatcagattg gtctgtcaca cacactaacc ttaaacaacac ctcagcagta ttgactttga 180  
catgccttcc acagaaatgt tcagaaaaat ttaagcagga taagaaaggg tggtttaaag 240  
caaaaatgga tcatggcact ggagacattt ggttagaaga taacaaaagc agggtaatag 300  
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<210> 21535  
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<212> DNA  
<213> Homo sapiens

<400> 21535  
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gtggttgaca ctaatttaca gaataacctt taataaaatt ttatttacag attttvctat 120  
ttgtattacc tagattaaac ttaaaacaag gggcgga 157

<210> 21536  
<211> 129  
<212> DNA  
<213> Homo sapiens

<400> 21536  
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aattcaaaat gccatgacaa attggacaga caggccagta tatagtttgg gaccagaaaag 120  
gacatgcct 129

<210> 21537  
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<212> DNA  
<213> Homo sapiens

<400> 21537  
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tatgaagaaa agattttaca aactgtaatc aattgtttag gagtct 166

<210> 21538  
<211> 109  
<212> DNA  
<213> Homo sapiens

<400> 21538  
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<210> 21539

<211> 173

<212> DNA

<213> Homo sapiens

<400> 21539

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tcccaaagtg ctgggattac aggcgtgagc caccgcgcct ggcccttgatc ttttcttttt	120
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<210> 21540

<211> 202

<212> DNA

<213> Homo sapiens

<400> 21540

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cagagtctcg ctctgtcgcc taggctggag tgcagtgggtg caatctcggc tcactgcaga	120
ctctgcctcc cgggttcaaa ctgttctcct gcctcagcct cccaagtagg tgggactaca	180
ggcgcccacc accacaccg cc	202

<210> 21541

<211> 126

<212> DNA

<213> Homo sapiens

<400> 21541

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cctctc	126

<210> 21542

<211> 362

<212> DNA

<213> Homo sapiens

<400> 21542

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aatgaanagc atgacatctt actatcacca aaaaataata tttagatata tttttggggg	180
actcaatgat ggaaatggcc acagtagcaa cattggagtt cgattttgag aattaaaatg	240
actatgcacc cmacatgtgc tatttaaaaa twaanngtgg ggagcagata tatcttccca	300
caatataatt atawtcymtg tgttatttat cacatcttaa cagaaatatt ttgggggag	360
ca	362

<210> 21543

<211> 421

<212> DNA

<213> Homo sapiens

<400> 21543

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ctgtkgcaga gagtgtctgc tcctctccc tttccagcag atgcttgga accttcagaa	120

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attcatcctg	gtgatagacc	ggcgacggga	caaatggacc	tccgtgaagg	cgtacgtvct	300
gcgcacgca	aatbagaggc	cccatatctg	ctccgatgcc	cacaaccttc	atcgttttgg	360
wrcaagcctg	tmcctgagcc	gtgggttctca	tcgaagtctt	taggatgaag	catctccttg	420
c						421

<210> 21544  
 <211> 111  
 <212> DNA  
 <213> Homo sapiens

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ataagaatag	tatttcctgc
tggcgtgatt	gtgtgtgtgt
gaatattttg	gattagtttt
caaaacattt	tacatttgat
gagacccaaa	a
	60
	111

<210> 21545  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

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aaatgtgagt	cctccactt
tagcttttcc	aagattgttc
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aaattccata	tgaatattag
aatcaacttg	tcaattccta
	120
caaagaagtc	agttgaatca
atttcatagg	gattcattga
atctgtagat	caatttgggg
	180
agcgcctgcc	tcttaaaaagt
attaaatttc	tgattttatga
acatgagatg	atcttctatt
	240
aatttagatc	ttccttaatt
tctttcaaca	acatttttga
gatttcacag	tataaatttg
	300
gcacatcttt	tgtkaaattt
atcttcaagc	atcttgttct
tttttgtgtc	atggggttat
	360
tttcttaatt	gttaggttat
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tatgattgat	ttyygtatat
	420
tggtcttata	tcttgccacc
tc	
	442

<210> 21546  
 <211> 174  
 <212> DNA  
 <213> Homo sapiens

<400> 21546	
aaaattaaat	aacaccacgg
gagaggagag	agggaggggg
aggagggagg	aagggacaag
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agagaagaga	gactgaaaca
gggagaagag	gcaggagagg
aggaggtggg	gagagcacga
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gaaggagaga	ggag
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<210> 21547  
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<400> 21547	
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tgagagcttc	acagtggagt
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ccccgcgat	gccgtagaac
tattgtcgag	tgatgcgatg
	120
aaagaatata	acagggctcg
agtctacctg	gatgaaaact
acaaatccca	ggagcacttc
	180
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<210> 21548  
 <211> 478



05199-05900

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<211> 386
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<213> Homo sapiens
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6975

<210> 21552

<211> 260

<212> DNA

<213> Homo sapiens

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aagcactgga	agccagccat	ggatagcaaa	gataaagctt	cataagagga	gaaactarga	180
aaatattatt	ttkgatttgc	tacatrgaca	attatacctc	tgtgaacaaa	gacagtttat	240
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<210> 21553

<211> 184

<212> DNA

<213> Homo sapiens

<400> 21553

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ttccaggagt	ggcctctttt	gtaggagcac	ctgaaatgca	gcgtctggtg	cactaagccg	180
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<210> 21554

<211> 281

<212> DNA

<213> Homo sapiens

<400> 21554

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ggtgggacat	gtttggggca	tgggagtgga	tctctcatga	atggctttgt	ggtaccccc	120
agccccataa	attagttagt	tctcactcta	ttagctacct	gcaagagctg	gttggtgaaa	180
ggagcctggc	acccctccc	tctctctggc	tccctctctt	accatgtgat	acaccagctt	240
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<210> 21555

<211> 181

<212> DNA

<213> Homo sapiens

<400> 21555

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catctctact	aaaaatgcag	aagtttagcgg	ggtgcggtgg	cgggcgcttg	tagtcccagc	180
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<210> 21556

<211> 427

<212> DNA

<213> Homo sapiens

<400> 21556

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 acactaagct gaagtttaac cacatactta ctcagatggt tccatgtggt tattcattta 180  
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<210> 21561  
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 <212> DNA  
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 tattgacatg ctataatctt agagctttgt acctttgcat gggaaccctc aagggtggagg 180  
 agaaaggatc acaaagcatg gtgaggggag ctatgagatg acctatgtcc tttctatggt 240  
 caacatgtga ccgaagctat a 261

<210> 21562  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 21562  
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 gctctgttct agtgactctg agggaaactt ggtgatagta gccagtaccg gctctgaggg 180  
 gcttcaagag gagtctgctc ctaatagaac ctgtgctatc tataagtgc agcatcaaga 240  
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<210> 21563  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<400> 21563  
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 gattttctga ttgtgcagtt aatgtttatt agcctaactt gattattttg agacttaaca 180  
 catcaggaca accttcgtta tttcaaaata ttgtccctct gggaatatat gcactttttg 240  
 tttataadgt ttctcttaaa tatttttgtc atttttgtca tgtcacggaa cctaatttcc 300  
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<210> 21564  
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 <212> DNA  
 <213> Homo sapiens

<400> 21564  
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 gccatgcta tccaaagtga tctatagatt cagtgaatc cctatccaaa ttccaatggt 180

atctttcaca	gaattagaac	aaacaaccct	aaaattttaca	tgagagccaca	gaagaccctg	240
aattggccaaa	acaaccttga	gcaagaaaata	caaagccaga	ggccttggac	atcttgattt	300
caaaatatgc	tacaaagcta	tagtaacca	aacagcacag	tatt		344

<210> 21565  
 <211> 109  
 <212> DNA  
 <213> Homo sapiens

<400> 21565	
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cctttaaggc ttgacttcaa tttcgggggc gcaccattca aggcccact	109

<210> 21566  
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 <212> DNA  
 <213> Homo sapiens

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gcttttatta tgattgattc cttctgaagc agtatactgt gcagatgctt tattcatgag	120
ttgttatttc tgcaaaaact ctgtgggttc ctatttcatt ttcctcagct gaatatgcca	180
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<210> 21567  
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 <212> DNA  
 <213> Homo sapiens

<400> 21567	
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ttggggaatt acttgtgttc tagataaaaag tgcattttaa gaatttatta tggaaaattt	120
caaacaatca agagagtgga tagaatgaac tgacttgtac cttacttata ttcaataatt	180
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<210> 21568  
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 <212> DNA  
 <213> Homo sapiens

<400> 21568	
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gcctgggctaa tttttgtatt tttagtaads aca	153

<210> 21569  
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 <212> DNA  
 <213> Homo sapiens

<400> 21569	
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ttcctgtgta cacctgttca tagtttggtt ttgaaacaat gtatactgta actttttttt	120
caaaaagaat ttttagtgat ttttctctg tcagcatgga gctgatctat taggaaatca	180

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197

<210> 21570

<211> 165

<212> DNA

<213> Homo sapiens

<400> 21570

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gctgatctgg	ctggctaggs	gggtgtcccc	ttcctccctc	accgctccat	gtgcgtccct	120
cccgaagctg	cgcgctcggt	cgaagrpgac	gaccatcccc	gatat		165

<210> 21571

<211> 254

<212> DNA

<213> Homo sapiens

<400> 21571

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cctgaaatgt	gcaatctact	gtatagtatt	gccacataat	tgtacataga	tgtattctga	180
atttgtggaa	tttcttgctt	agatactatt	gtgtttgttt	catatgaata	tttttgtaat	240
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<210> 21572

<211> 346

<212> DNA

<213> Homo sapiens

<400> 21572

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acactggggc	cccgttgccc	ttgagcttta	ccccacagtg	ttcgtgtagc	ctctccaggg	180
tggagttact	cttcctcaac	atgggaaggc	cccagtgtctg	cagggaaacag	ctgaggcttc	240
tctggcttca	gcatccagcg	gggctcctga	gctatagcww	rtgtgggtca	tttgcaccct	300
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<210> 21573

<211> 68

<212> DNA

<213> Homo sapiens

<400> 21573

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<210> 21574

<211> 112

<212> DNA

<213> Homo sapiens

<400> 21574

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<210> 21575  
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<212> DNA  
<213> Homo sapiens

<400> 21575  
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atatttcaaag gaccagaata tccatagatt aaacttaagg gcataatggc catattttgtt 180  
aaaaagctaa aaacaaaatt accagtttat cctaaactta actaaagggtg ctctaaatac 240  
acagaaatca tcattttgccc aagtcaactg cattctacta tttt 284

<210> 21576  
<211> 262  
<212> DNA  
<213> Homo sapiens

<400> 21576  
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gaggacagct gcagaggtgg cagtgtgtgg acacaggaag tttgggcccc ctccctgccc 180  
cagctttcct aggccagaat tgtgtttggc agtaattgtc tgtttaaaaa aataaaaagg 240  
agaggaagcg ttcaccgccg ct 262

<210> 21577  
<211> 324  
<212> DNA  
<213> Homo sapiens

<400> 21577  
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atattgagaa caatacatga ttatagctaa tccctcacac tgcctaacaa tcagttgtva 120  
acgagtgagc agagagaagt atcttcagtt aggcacagnd agatcggtgg ttgtttattc 180  
actgaatgag acctgctatg cctgtttgtg caaagaattt tactttccag aataggcaca 240  
gatcttgatt ccagtccagt ggcattaatt aacgtgagtc catctatgtk tatcaagatg 300  
ttcacacccc agagtttttt cttc 324

<210> 21578  
<211> 415  
<212> DNA  
<213> Homo sapiens

<400> 21578  
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cgcattcttag gaatgacaga gttgcgtccc tctcggttgc caggctggag ttcagtggca 180  
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ttgtgtgtct gctgtggttg aaagacagtc actgcgcacc cacttgaag gacaaaactg 360  
ctatcagtga aaacctgaag agtttttctg aggtggggga gatagatgca gatga 415

<210> 21579  
<211> 121

<212> DNA

<213> Homo sapiens

<400> 21579

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<210> 21580

<211> 364

<212> DNA

<213> Homo sapiens

<400> 21580

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catttaaatca	tcacaacaat	ctgctggtbh	ggacactatt	ctctctggag	gcaatatgga	120
tgagttctta	cggatatggg	gtttggggtc	agaaacatct	tgattaaaat	tttgactctg	180
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taaaatgaaa	atcaattata	agatcgattt	ccataggggt	gtcatgagtt	ttgagtaaaa	300
atgtgtatgt	aaagttctta	ccacaatacc	tggcagagag	taagtattca	attaatgtta	360
gcta						364

<210> 21581

<211> 201

<212> DNA

<213> Homo sapiens

<400> 21581

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aagaagccaa	gagggggcatt	aataccaagt	atgaaaccac	gatttttctga	tactcgccgt	120
ccmtcctgtc	ctcgcgggtgc	cttgctcgcc	aagcgggtccc	ggagcagggt	ttccttcgcg	180
cctccgcgtc	cacccaggcc	c				201

<210> 21582

<211> 285

<212> DNA

<213> Homo sapiens

<400> 21582

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tcgccctctt	taaatcccaa	ctcccccttca	ttttcagggt	caaagtcgta	cagagctcgg	180
cagcaggggt	gatccatttg	gacacctgaa	ggtttgggag	tgccctgtgcg	ggagagaccc	240
ccattggggt	gagtactgtc	tccagttgga	aactccaggc	tcatt		285

<210> 21583

<211> 343

<212> DNA

<213> Homo sapiens

<400> 21583

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ggcgaggcag	aggccgcggc	cccaggggat	ccttggcccc	actgtgcacc	acacactcch	120
tttcccagcc	caggggacag	cgaacaaaat	gagggtcaag	ctgaccaggc	cgagccggag	180



gaacgctggg	gcttggcagc	agaagggatg	ggaccagaga	gaaggggtgtg	gaggagaccc	240
cagtgaagggc	caggacattt	caggtaaaga	gaggtaagaa	gaggcccaga	agtcaagggc	300
cagactgtga	aggtgattag	aggtcaaaga	ggtaaggagg	tcc		343

<210> 21584  
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 <212> DNA  
 <213> Homo sapiens

<400> 21584						
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aagctatmtg	cctgccttgg	catcccaaag	tgttgggatt	ataggtatca	gccactatac	180
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ttctcctgcc	tcagcctcct	gagtagctgg	gattacaggc	atgcaccacc	atgcccggt	360
aattttgtat	tttttagtaga	gacgggggtt	caccatattg	actaggtctgg	tct	413

<210> 21585  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<400> 21585						
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ggataagttt	atgttaataa	gtagctatca	cagtattcca	agccttaaaa	caggttatag	180
tgtgttctac	aaattcttca	tctaaaacag	tgctaagcag	ctaaaaattt	gttgtgcttg	240
aaaaaactac	ctcctagcta	cagaatgttt	tttaaaactc	aatacactat	ttatgttttag	300
gaaagtgtctg	gccagcgta					319

<210> 21586  
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 <212> DNA  
 <213> Homo sapiens

<400> 21586						
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ccactttttt	ggtggagaag	gaggggaagc	aaaagaaaac	aaggaagtat	gcgaccc	117

<210> 21587  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<400> 21587						
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watycaaatg	gaggaagaaa	cccacggaga	aggagaaata	acaggtcgga	gtgattatgt	180
acagaaggat	aggctctagc	aggagtccag	tgggaaagda	ggaagggaat	acaattaaga	240
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atgttgacgg	actctgacgg	tgggaaagcg	tccctcaaga	ttgaattgga	gtagaagctg	420
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<210> 21588  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

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 tgcctcaacc gtgagatagg agagtctctg gtactagctg ctgtagcagt gcccttcac 180  
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<210> 21589  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<400> 21589  
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 tggcttagtg gggaaactgg ggaccgattc tggagggtata ccagcatggg gagtttggtt 180  
 ttagatgggt tgtgtttgac atagggctag caattctaag tgaagatgtc taaagaaaga 240  
 tagaagtgac tcagctctga agttctgaaa kgatcagccg tcagcgtggc atgaggaaga 300  
 cctaggaaca gacagactgg ggagaagaca cagagccaag caggacctgg cctgcagccc 360  
 aaaccctgtg gaatccctac attcaaggac caggttgaag tgaagccatt gacaggaact 420  
 gagatgcagt agtgatactc cctggcctct gagagctgca gtcca 465

<210> 21590  
 <211> 264  
 <212> DNA  
 <213> Homo sapiens

<400> 21590  
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 aacttctata attttattat gtatgtatat gtgttaaata tgtaattatt atttgcacat 120  
 attttaccta ttccaatgtc tcttactgcc ttcaacattc atttctgttt cttttacaca 180  
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 ctgatcactt gtagaacggg tacc 264

<210> 21591  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

<400> 21591  
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<210> 21592  
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 <212> DNA  
 <213> Homo sapiens

<400> 21592  
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 aatgcttggt taaagtaatt tgggtggaag atcatcaaag aagccacagg aattgcatga 180  
 gactgtgtgt gtgattcctg gatgtgccca gggcccttct cttttctgta tctcccctac 240  
 cacatttttc acaggggggt agacttttct tgtcccmga atgcaccatg acccct 296

<210> 21593  
 <211> 325  
 <212> DNA  
 <213> Homo sapiens

<400> 21593  
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 cataccactg aatcctaagt gcataaaaata atgtgtgcca tgtagtaaatt attactacat 180  
 taatccttaa ctactcgaaa tgcaatttcc tctactacta tggccacagc ctgcatctag 240  
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 ttaatgtgat actaccaacc tcccatcttt tttttacact agccaaagt ggtcaatanh 180  
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 gtttcttttc ccacttttat aaatcctatt ttgtaaatct catgaacttc tttcttaacg 300  
 ttctctaagb aangckctta ttttatgkat gtdttatcta taatcacgtt acctgcctgr 360  
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 <211> 271  
 <212> DNA  
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 tctgtgggtg tgtaaaattt atactaaaat gtggactatt ttgaaattat aaccattttt 180  
 gatgccctga atcttgagg gacttatttt gcatagagga tatggataga ccaacagtaa 240  
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 <211> 249  
 <212> DNA  
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<400> 21596

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agccccgagg	aagggtcacc	ctcctagaga	tagctactac	cccgtctcag	gagaccctgg	180
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acaggacca						249

<210> 21597  
 <211> 378  
 <212> DNA  
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ccacctcccc	aattgggtca	tcggcttctt	tacgttgata	cttaagagat	ttgcagctct	180
ctttcaagga	aacttcccct	actgwmaggc	ataaaaagggt	taaaaaagaa	aatccgagag	240
tcccaatttc	ctgtataaca	gcattaaaaat	aatctgcctg	gaaagatgag	ankmamtgtt	300
gcacaaccca	aaatgtgtct	ttaattttgtg	aaaaattacc	atggtgagtc	agacagtcac	360
tttaaacagc	tgaacaga					378

<210> 21598  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

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agaagagtgg	cccgctccctc	tcctccccct	ttccctcttt	cggaaagtgg	tttctgcggg	180
gcccgggagc	ctcggagtac	cgaacctcga	tctccggggc	ggggtccttg	gtggggactg	240
agcgccccct	cccggggacg	ggcggtctgg	ccgcggagtc	ccctgcggga	gcgtgattgg	300
ctggaacgg	tcccgaaccc	cca				323

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 <212> DNA  
 <213> Homo sapiens

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gtttttcctt	ctttgtgaaa	ccttgagtca	aaatgtacta	gtgaggatgt	ttatatttna	180
gtggtgtagc	tgaaccagac	aggtctgcag	cgcrgtggtt	tattttttaga	cctgcgttgc	240
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<210> 21600  
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 <212> DNA  
 <213> Homo sapiens

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<210> 21601  
<211> 238  
<212> DNA  
<213> Homo sapiens

<400> 21601  
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ctctcttggg cctcggbvac ataatttgta aaatgagggg atttggaatt gatgatgtct 180  
gcagtacttt atagtgtta aaatgagtta tttgataaat atgaggcatt ggatagtt 238

<210> 21602  
<211> 232  
<212> DNA  
<213> Homo sapiens

<400> 21602  
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tacatatata ccatggaatg ctatgcaacc ataaaaaaga aggagctcat gcaggaatat 180  
agatgaagct gggggccatt actttagcaa actaatacag gaacagcaaa cg 232

<210> 21603  
<211> 67  
<212> DNA  
<213> Homo sapiens

<400> 21603  
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aaccaaa 67

<210> 21604  
<211> 148  
<212> DNA  
<213> Homo sapiens

<400> 21604  
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taattacatg ttctaacatg aaagaggt 148

<210> 21605  
<211> 161  
<212> DNA  
<213> Homo sapiens

<400> 21605  
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aaggaaacag aagactctat tgggatggaa tgagaacagc atctttcatc cacccatgca 120  
taccacaca caggaatta tgatgtaact ccccggaac c 161

<210> 21606  
<211> 61  
<212> DNA

<213> Homo sapiens

<400> 21606

aaaataaata catcctcatc cttaattaat gaatggatgc aagtatagaa acaggtagct	60
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<210> 21607

<211> 343

<212> DNA

<213> Homo sapiens

<400> 21607

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cgcaccatgg ctgatcagct gaccgaagaa cagattgctg aattcttttt ggtacacttt	180
gtataactga atccttttaa atgtattgag atttgtttta tggtagagaa tatggtctat	240
ctaggtaaat attatttgtg catttgaaag gaacgtatgt ccgctgttgt tggatttatt	300
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<210> 21608

<211> 134

<212> DNA

<213> Homo sapiens

<400> 21608

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agagagacag agacggggag agagagaggg agagagaaga gaggmaggag ggaagaagaa	120
aagacggarg gga	134

<210> 21609

<211> 189

<212> DNA

<213> Homo sapiens

<400> 21609

ccttaaataga agacatgtca ttccagtcaa agacttggtg aaacaaccag tttctcccat	60
tgccctgttg caaaagaaag cattcttatt gcacttatgc aaataactat attgccataa	120
gttaagaata ctacaaaatt ggctgggtgc agtggctcac gcctgtaatc ccggcacttt	180
gagaggcca	189

<210> 21610

<211> 232

<212> DNA

<213> Homo sapiens

<400> 21610

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acctacagcc atttggcttt gattccctcc atgcttcttg gtgcttccat gcatacttcc	180
cctgggatgc tcttcttttg gtttcaaaaag ctgcttaca cgtgagagtt gc	232

<210> 21611

<211> 120

<212> DNA

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<213> Homo sapiens

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ggataatagc	tgtctgaggt	tttgtggatt	aagtgaaagt	acattattta	gtgtaatgcc	120
taatgttagt	cctctttata	gcataattta	tacaatttct	attatttaac	aggcctca	178

<213> Homo sapiens

atagaactgc	aaggagaaaa	agatgtatct	actattataa	ttggagactt	caacaattct	60
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aacactattg	aacagctaaa	tatagttaac	ttctataaac	tacttcatcc	aacaacaaca	180
gattacacat	tcttctcaag	ctcatatgga	acc			213

<213> Homo sapiens

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tccctcatgc	tacctttttg	tagttacaat	ctctcctcat	ccctaacctc	agcaaccact	180
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<213> Homo sapiens

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<213> Homo sapiens

6989

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<210> 21617  
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<212> DNA  
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<400> 21617  
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aggattaatt tagaagataa tgtacaatat gtgtccatga gaaaagctct aaaagtgaag 180  
agacswmggt ttgatgtatc gctggtttat ttaactcgaa aatttatgga tcttgtcaga 240  
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cggagagtgt atgacatcac catgtcnbag atggaatcga cctcgttgaa aagaaatcca 360  
agaaccatat tagatggata ggatctgac ttagcaattt tggagcagtt cccaacaaa 420  
agaagctaca ggaggaactt tctgacttat cagcaatgga agatgctttg gatgagttaa 480  
tta 483

<210> 21618  
<211> 344  
<212> DNA  
<213> Homo sapiens

<400> 21618  
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tctgtggcct accatatggt ttatcttgga gaatgtttca tgagctgatg agaagactat 180  
attctgtgtt ttttgatag aatgttctgt aaatatctgt taddncagtt tgttctagag 240  
tatagetttaa gtccattttt ttttktctt yctgycttga tgatttayct agkgctgyca 300  
gtgccacgtt gaagtccccc cgcatacwa tgttgctacc cacc 344

<210> 21619  
<211> 432  
<212> DNA  
<213> Homo sapiens

<400> 21619  
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gccagagaa gagtttagtg actgaggccg aaaattcaca gcaccaacag aaggaagagg 180  
gtgaggaagc cataaactca ggccaacaag aacctcagca ggaggaatct tgtcaaacag 240  
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cacatgaaga cttgacaaaa acaaggagcg gacatcagar agcagaggac tttcacgact 360  
atnkmnatcg tttctcaaaa ggcccaaadc tcaggtgtcc gaggaagaag gcaaagaagt 420  
agagtcagat ta 432

<210> 21620  
<211> 175  
<212> DNA  
<213> Homo sapiens

<400> 21620  
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tcttcctcca ttgaattact tttatacctt ggtcaaaaat cagttgattg tacttgatg 120  
ggtctatattt gaggttcttt attctgttcg atctatatgt tttttcctcc accgt 175

<210> 21621  
<211> 395  
<212> DNA  
<213> Homo sapiens

<400> 21621  
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awtkggaaaa cttcgggtacc taatacaaaa gtttgattgt ttcagtgtgt acctggtaaa 180  
gaatcagtga ccttttacct taacatcraa atgtagttaa accagttaat gtatttttca 240  
gttttctttc cttatgtcat ctgtgaacat cttgagctgt gagctattaa gtgcatgctt 300  
ccctcaaggn skctgggtcca ttctggacta atgttgaaag atgggatgvn ngggcatgga 360  
actgttgggg tgatcagacc caacaccggg ctgtg 395

<210> 21622  
<211> 358  
<212> DNA  
<213> Homo sapiens

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<210> 21623  
<211> 260  
<212> DNA  
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<400> 21623  
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tctgtggcct accatatggt ttatcttga gaatgttnca tgagctgatg agaagactat 180  
attctgtgtt ttttgatag aatgttctgt aaatatctgt taggtcagtt tgttctagag 240  
tatagcttaa gtccattttt 260

<210> 21624  
<211> 133  
<212> DNA  
<213> Homo sapiens

<400> 21624  
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tccttaagga aacatagcct cccaccaatt aattcttcta ttcactcgtt aacagatgag 120  
ttattgagga cca 133

<210> 21625  
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<212> DNA  
<213> Homo sapiens

<400> 21625

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cttcgggtggc	cctaccgggt	accagttctc	tctgagaaac	tggagatgtc	ttgttagcat	180
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cc						482

<210> 21626

<211> 392

<212> DNA

<213> Homo sapiens

<400> 21626

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gttgaaaagta	tagaaaaactc	gaggcaacta	ttgtgcacaa	atgaagatgt	ttccagccct	300
gcctcggcgg	accaaaggat	acaagaagct	tgaagcggag	tcttgcaaca	gtgcatcccg	360
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<210> 21627

<211> 157

<212> DNA

<213> Homo sapiens

<400> 21627

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aattaaagta	cacattacat	gctgattttg	tttgtttgta	atatttatgc	tcagtgggtca	120
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<210> 21628

<211> 489

<212> DNA

<213> Homo sapiens

<400> 21628

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tctggagact	ttgttaaagt	ttacagcaca	gttacagaag	agtgtgtaca	catactgcat	180
ggacacagaa	atctggtgac	tggaatccag	cttaacccca	acaaccatct	acagctgtat	240
tcttgttccc	ttgatggcac	aathaaactg	tgggactata	tagatggcat	cttaataaag	300
actttcatag	ttggatgtaa	acttcatgcc	ctctttactc	ttgcccgaagc	tgaggattct	360
gtctttgtta	tagtgaataa	agaaaaacca	gatatatattc	agctgggtttc	agtgaactgt	420
ccaaaatcct	caagccagga	agtagaagcc	aaggagctgt	cctttgtttt	ggattacata	480
aaccagtca						489

<210> 21629  
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 <212> DNA  
 <213> Homo sapiens

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 aaaagcatta attttacttt atgtaagtta aaaaataatg ctttaaaaaat aaatgtagtg 180  
 gccaggcgtg ttggctcatg cctgtaatcc cagcactttg ggaggctgag gcgggaggat 240  
 cacctgagggt caggagtttg agactagcct ggtaaactg gtgaaacctt gtcttttcgg 300  
 aaaa 304

<210> 21630  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens

<400> 21630  
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 ttgccttttg gctaaagtca ggttaaatat atatcacttc tgattatgtg ccctcctcaa 180  
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<210> 21631  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 21631  
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 cccaagaaat gcgtgatcca gtaggttaga gggtcaggtc agtcaccaga gctgagacag 180  
 gtctactgag gccagaagtg ggggcta 207

<210> 21632  
 <211> 120  
 <212> DNA  
 <213> Homo sapiens

<400> 21632  
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 <212> DNA  
 <213> Homo sapiens

<400> 21633  
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 taggcacctt tgaaatatth ataaacttaa tctttggact aggcacccc 109

<210> 21634

0054399.03400

<211> 284  
<212> DNA  
<213> Homo sapiens

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aatatgtagc aagcaataga cagtgtcaag ctgtcacatt accwgagata atttttaaga 180  
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<210> 21635  
<211> 109  
<212> DNA  
<213> Homo sapiens

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<210> 21636  
<211> 197  
<212> DNA  
<213> Homo sapiens

<400> 21636  
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tgetgatgga ctccagggtc gtttccagct tttggctgct ttgaacattc ttggacaagt 120  
tttcttgtga atatattgctt ctggttgccct tgagtaaaca cttaggagtg ggactgttgg 180  
gctgcgtagt aggtgga 197

<210> 21637  
<211> 285  
<212> DNA  
<213> Homo sapiens

<400> 21637  
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ggcagatcac cgagcccaag agttcaagac aatcctggcc agcggcgaaa ctctgtctct 120  
acaaaaaata tacaggcgtg ttggcatgtg cctgtggtcc cggcttcttg ggaggctgag 180  
gcacgagaat tgcctgaacc cgggaggttg aggttgcagt gagctgggat cgcgccattg 240  
cactccagcc tggctgacag arcgagactg tctctaaaaa aaaaa 285

<210> 21638  
<211> 347  
<212> DNA  
<213> Homo sapiens

<400> 21638  
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ataaagtcac ggtttctgcc ctctttgata tctgtatttg ttcgttttca cgctcctgat 120  
aaaggcatac ccaggactgg gtaatttata aagaaaaagt ttaacaaact aacagttcca 180  
catgtctgga gaggcctcac aatcatggca gaaggcgaaa ggcattgtctt acatggcagc 240  
agacaagaga gaatgagaac caagcaaaag gggtttctcc cttataaaaa ccatcagatc 300

ttgtgagact tattcactac cacaagaacc agtttccatg gtggaaa 347

<210> 21639  
<211> 171  
<212> DNA  
<213> Homo sapiens

<400> 21639  
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<210> 21640  
<211> 292  
<212> DNA  
<213> Homo sapiens

<400> 21640  
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agggtgaagg ctatgggata taggtgatca ataaatagga gccattattc ctgatgccct 120  
ggtatagcat tagtgagaca gtcccaactg agaaatgtga tggagcactc agtgtgtagt 180  
aggtagtgcc tccagacatg ggaattcagg aatgtgaggc atgcctcctg ccctcagtga 240  
gtctctaggc tgggtgakgga gtacaggtag taaataagta catagagagt at 292

<210> 21641  
<211> 79  
<212> DNA  
<213> Homo sapiens

<400> 21641  
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aggtagagat gggagatgc 79

<210> 21642  
<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 21642  
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tatcaaccac tggatatgt taagtgatcc gttctggata tgtagcacct gtggccacta 120  
ccaaactgct tatgtgtaaa atgtatctac tttttacaca tcatcatgca accatcacta 180  
ccacc 186

<210> 21643  
<211> 249  
<212> DNA  
<213> Homo sapiens

<400> 21643  
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gtggtagatc ccctgggtgc tccaacctga ctagggtggac agagctcaaa gaggccctct 120  
taccgctagc gaggtgatag gacatctggc ttgccacaaa ggtctgttcg accagacata 180  
tcctagctaa gggatgtcca aacatcagaa tgtgaggcca accttctatc agagttaaac 240

ttttgacaa 249

<210> 21644  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 21644  
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ccccagactg cagcatgctg tgctctgcag ctggagagaa gtcgggtcttt ctatggagca 120  
tgaggctcta cacgtwaatt cggaagctag agggccatca aagcagtgtt gtctcttgtg 180  
acttcccccc c 191

<210> 21645  
<211> 431  
<212> DNA  
<213> Homo sapiens

<400> 21645  
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accaggagtc ccttggtgca gacagctctt cctactttcc catgcagttc ttttgtacga 120  
ctttgrgggg gytcgtgaat gattttctaaa tgtgtgcctg ctgaggcgag ccgcacaggg 180  
agggaggaac ccagccgagc cgtgccagag gaagccaaca ggatcctagc agtgcgggag 240  
ctggctcagc tcttgcatgc agtttttgaa gtcagcaaaa cagaaaccaa attactatca 300  
tattatgctg gtggaagatc aagaagaggg gactctacac cagtttaatt actgtgagag 360  
atgcagcgag tcacagwata acaaatgtat ctcatgtgtg aaccctgaag acaaatgaca 420  
tttatcttcc c 431

<210> 21646  
<211> 136  
<212> DNA  
<213> Homo sapiens

<400> 21646  
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tgctttacta attattctgt gcgtgttact cctactatag cttctgtttt gactctgctg 120  
cttccttcca tctcr 136

<210> 21647  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 21647  
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gaaatcacct catgatgcat ttctcagaac atatctgata tggtttggct gtgtccccac 120  
ccaagtccca tcttgaaatt gtagctccct ag 152

<210> 21648  
<211> 344  
<212> DNA  
<213> Homo sapiens

<400> 21648

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gccggaggga	agccggagga	gaccgggtcg	actgggcaga	gcggcasagg	gtcaggagac	120
ctgctcwga	cgcccaggga	gtagaagtgg	gcaggagca	gggtcacgtg	agggagcgcg	180
ccgcgactga	gcttgggtcc	gactggagct	caggctcgcg	acccagactg	gtggggccagg	240
cctccaagcc	ggccttacac	ccaatccaag	gaggacagac	cggacacaga	gggacggagc	300
gagcnmggag	acatggcttc	atcattcctg	cccgcggagg	vnta		344

<210> 21649  
 <211> 179  
 <212> DNA  
 <213> Homo sapiens

<400> 21649						
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tacaataaac	cctcactggg	ggacaaaata	ctttagggtt	aaagtagtga	atgaacttat	120
tttatgtaac	ctacttttcta	ctgtgcacat	aagatataaa	ttttagagta	tgccassgt	179

<210> 21650  
 <211> 51  
 <212> DNA  
 <213> Homo sapiens

<400> 21650						
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<210> 21651  
 <211> 462  
 <212> DNA  
 <213> Homo sapiens

<400> 21651						
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atgatcccat	tttgtcataa	gaatatcagc	ccattttcta	ccattcataat	ggaaaatggt	120
ttgttctctt	ttctcattta	aattttcta	aatcatattt	gtccctgcta	attatcacca	180
tgtgcccagc	ctggaatgtg	tactttacat	attttatctt	gcttaattct	taccaccacc	240
ctaggagggtg	gttggttatca	tcctgtttac	taatggaaat	attaagacta	ctcctagacg	300
kwaataaact	ggccctgggc	atactctcaa	gagacagtag	cacctagttc	tgsttgatat	360
tccataagcc	ttcacctaca	gtgctatatc	gcttcctttt	aaattatatt	tatgtggnkt	420
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<210> 21652  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 21652						
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ctgcccagta	ctcttgcccc	tttacacggc	ttaattcttc	ttcaaagcac	tcatcattac	180
acdagtattc	ttttaccatt	ttctaaagat	aaaaactcca	cgaggaaagg	gatctgagtc	240
tgtactgttc	actgttgttt	ccgcggcatg	cagatcagca	cttgccatac	agtagaagtg	300
caatgaatat	ttgttggtag	gccctaagg	atcatgtcct	gttctgattt	gcatgtccta	360
caacattcag	cacaaaaatt	tgaacatggg	aagcttttaa	aaaattcatt	gaaaacaaca	420
gctc						424

<210> 21653  
 <211> 123  
 <212> DNA  
 <213> Homo sapiens

<400> 21653  
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 tcagtactaa tagatctaath gcttcctttct tatgcttcca gttagtttgc acttggtacc 120  
 ctt 123

<210> 21654  
 <211> 73  
 <212> DNA  
 <213> Homo sapiens

<400> 21654  
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 gccttccttc cca 73

<210> 21655  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 21655  
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 cctgcggctc tggatatcag ccatgaagtg ggaccccaca gtctgtgctc ttctcatgga 180  
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<210> 21656  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 21656  
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 kgtcagaaat gtagttcttt tattttcctg cccctctccc ctttctaagt ttctagaatg 180  
 tcaagtaggt agaacataga tgctcctttt aggatctttt gctgtgaaat ggtccacagg 240  
 tgaatggcag caacg 255

<210> 21657  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 21657  
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 agctggcggg agcgaccagc aggtggccac tttaattagc tcctgcctgg agaagtggac 180  
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<211> 187  
<212> DNA  
<213> Homo sapiens

<400> 21662  
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aatttattaa agttccaaag tcggtcgcgc gcagtggctc acgcctgtaa tctcaacact 180  
tcgggga 187

<210> 21663  
<211> 301  
<212> DNA  
<213> Homo sapiens

<400> 21663  
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ggcagatcac cgagcccaag agttcaagac aatcctggcc agcggcgaaa ctctgtctct 120  
acaaaaaata tacaggcgtg ttggcatgtg cctgtgggtc cggttcttg ggaggctgag 180  
gcacgagaat tgctgaacc cgggaggtgg aggttgcagt gagctgggat cgcgccattg 240  
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<210> 21664  
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<212> DNA  
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<400> 21664  
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gacgtcaact ccaagcccc agccttccaa gagagctctc ccgagagacc cttcgtcgga 180  
ggtcccagagc aagaggaaga att 203

<210> 21665  
<211> 399  
<212> DNA  
<213> Homo sapiens

<400> 21665  
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ccatctgaga tgcacactgc tgggtgattg cacggacctt ccaccacta gcatcatcat 120  
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<210> 21666  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 21666